

525 Rec'd PCT/PTO 17 OCT 2000

FORM PTO-1390
(REV 10-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

B-3992PCT 618156-1

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

not yet assigned
09/673411

INTERNATIONAL APPLICATION NO.

PCT/IB00/00167

INTERNATIONAL FILING DATE

16 February 2000

PRIORITY DATE CLAIMED

19 February 1999

TITLE OF INVENTION PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS WITH ACTIVITY FOR
THE ENHANCEMENT OF ABSORPTION OF ACTIVE INGREDIENTS

APPLICANT(S) FOR DO/EO/US

Norberto FESTO

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).
4. ☒ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(3)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 16 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet ^{and check for \$40.00} in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:

Copy of first page of PCT International Application No. PCT/IB00/00167 as published
 Verified Statement Claiming Small Entity Status--Independent Inventor
 Verified Statement Claiming Small Entity Status--Small Business Concern
 Copy of Form PCT/IB/301
 Copy of Form PCT/IB/308
 International Search Report (3 pages) and copies of cited documents
 (see Information Disclosure Statement)

not yet classified
09/16/00 341117. ☒ The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :**

Neither international preliminary examination fee (37 CFR 1.482)
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
and International Search Report not prepared by the EPQ or JPO \$1000.00

International preliminary examination fee (37 CFR 1.482) not paid to
USPTO but International Search Report prepared by the EPO or JPO \$860.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but
international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)
but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)
and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =**CALCULATIONS** PTO USE ONLY

\$ 860.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(e)).

\$ 0

| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE |
|--|--------------|--------------|------------|
| Total claims | 14 - 20 = | 0 | X \$18.00 |
| Independent claims | 3 - 3 = | 0 | X \$80.00 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) 0* | | | + \$270.00 |

\$ 0

\$ 0

\$ 0

TOTAL OF ABOVE CALCULATIONS =

\$ 860.00

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above
are reduced by 1/2.

\$ 430.00

SUBTOTAL =

\$ 430.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(f)).

\$ 0

TOTAL NATIONAL FEE =

\$ 430.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

\$

TOTAL FEES ENCLOSED =

\$ 430.00

*Preliminary Amendment deleting multiple
dependencies enclosed herewith.

Amount to be
refunded: \$
charged: \$

a. ☒ A check in the amount of \$ 430.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 12-0415. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO

October 16, 2000
DATE

LADAS & PARRY
5670 Wilshire Blvd., #2100
Los Angeles, California 90036-5679

Telephone No.: (323) 934-2300
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Victor Repkin
SIGNATURE

Victor Repkin

NAME

45,039

REGISTRATION NUMBER

Applicant or Patentee: Norberto FESTÖ Attorney's Docket No.: B-3992PCT 618156-1

U.S. Serial or U.S. Patent No.: Not yet assigned

Filed or Issued: concurrently herewith

For: "PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS WITH ACTIVITY FOR THE ENHANCEMENT OF ABSORPTION OF ACTIVE INGREDIENTS"

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9 (f) and 1.27(b)) -- INDEPENDENT INVENTOR(S)**

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9 (c) for purposes of paying reduced fees under section 41 (a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled "PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS WITH ACTIVITY FOR THE ENHANCEMENT OF ABSORPTION OF ACTIVE INGREDIENTS" described in

☐ the specification filed herewith.

☐ application serial no.: , filed .

☒ International Application No. PCT/IB00/00167, filed 16 February 2000.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9 (c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9 (e).

Each person, concern or organization to which I have assigned, granted, conveyed or licensed or am under an obligation under contract or law to assign, grant, convey or license any rights in the invention is listed below:

☐ no such person, concern, or organization

☒ persons, concerns or organizations listed below*

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

FULL NAME INPHARMA S.A.

ADDRESS Via F. Borromini 3, CH-6900, Lugano, Switzerland

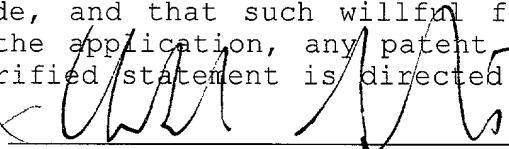
☐ INDIVIDUAL ☒ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Norberto FESTÖ

Name of First Inventor


Signature of First Inventor

7/9/09/2000
Date

Applicant or Patentee: Norberto FESTÖ Attorney's Docket No.: B-3992PCT 618156-1U.S. Serial or U.S. Patent No.: Not yet assignedFiled or Issued: concurrently herewithFor: "PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS WITH ACTIVITY FOR THE ENHANCEMENT OF ABSORPTION OF ACTIVE INGREDIENTS"

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS

37 CFR 1.9(F) AND 1.27(c) - SMALL BUSINESS CONCERN

I hereby declare that I am:

☐ the owner of the small business concern identified below:☒ an official of the small business concern empowered to act on behalf of the concern identified below:Name of Concern: INPHARMA S.A.Address of Concern: Via F. Borromini 3, CH-6900, Lugano, Switzerland

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled: "PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS WITH ACTIVITY FOR THE ENHANCEMENT OF ABSORPTION OF ACTIVE INGREDIENTS" by inventor(s): Norberto FESTÖ described in:

☐ the specification filed herewith.☐ U.S. application serial no.: _____, filed _____.☒ International Application No. PCT/IB00/00167, filed 16 February 2000.

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below*, and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a non-profit organization under 37 CFR 1.9(e). *NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

FULL NAME _____

ADDRESS _____

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. [37 CFR 1.28(b)]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing: NORBERTO FESTÖTitle of Person Other Than Owner: DIRECTOR

Address of Person Signing: _____

VIA BORROMINI 3 - 6900 LUGANO-SWITZERLANDSignature: [Signature]Date: 19th September 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Norberto FESTÖ) Re: Preliminary Amendment
)
U.S. Appln. No.: not yet) Group: not yet assigned
assigned)
) Examiner: not yet assigned
U.S. Filing Date: concurrently)
herewith) Our Ref.: B-3992PCT 618156-1
)
International Application No.:) Date: October 16, 2000
PCT/IB00/00167)
)
International Filing Date:)
16 February 2000)
)
For: "PHARMACEUTICAL COMPOSI-)
TIONS CONTAINING COMPOUNDS)
WITH ACTIVITY FOR THE)
ENHANCEMENT OF ABSORPTION OF)
ACTIVE INGREDIENTS")

Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Attn: United States Designated/Elected Office (DO/EO/US)

Sir:

Prior to examination of the above-identified application, it is respectfully requested that the following amendments be made to the Claims:

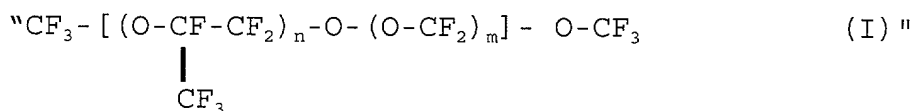
IN THE CLAIMS

Claim 1, Lines 1-2. Please delete "characterized by the fact that

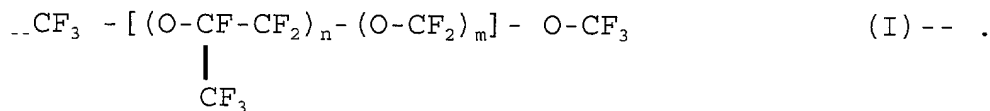
they contain" and substitute therefor --comprising--.

Claim 1, Line 4. Please delete "-between 0.01 and 60% w/w" and substitute therefor --between about 0.01 per cent and about 60 per cent by weight--.

Claim 1, Lines 5-7 Please delete



and substitute therefor



Claim 1, Line 9. Please delete "~600 and ~8000" and substitute therefor --about 600 and about 8,000--.

Claim 1, Line 9. Before "as", please insert --in combination with between about 0.01 per cent and about 20 per cent by weight of Phosphatidycholine,-- .

Please cancel Claim 2 without prejudice.

Claim 3, Line 1 . Please delete "claims 1 or 2" and substitute therefor --claim 1--.

Claim 3, Lines 1-2. Please delete "0.1 to 30% w/w" and substitute therefor -- about 0.1 per cent to about 30 per cent by weight--.

Claim 3, Line 3. Please delete "1000 and 4000" and substitute therefor --about 1,000 and about 4,000--.

Claim 3, Lines 3-4. Please delete "0.1 to 10% w/w" and substitute therefor -- about 0.1 per cent to about 10 per cent by weight--.

Claim 4, Line 1 Please delete "claims 1 to 3" and substitute therefor --claim 1--.

Please cancel Claim 5 without prejudice.

Claim 6, Line 1. Please delete "Use according to claim 5, characterized by the fact that" and substitute therefor --The method according to Claim 13, wherein--.

Claim 7, Line 1. Please delete "Use according to claims 5 or 6 with" and substitute therefor --The method according to Claim 13, wherein--.

Claim 7, Line 1. After "used", please insert --are--.

Please cancel Claim 8 without prejudice.

Claim 9, Line 1. Please delete "Use according to claims 5 or 6, characterized by the fact that the" and substitute therefor --The

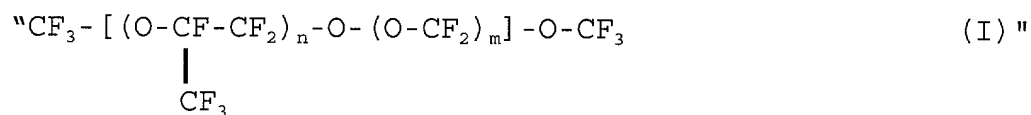
method according to Claim 13, wherein--.

Claim 9, Line 2. Please delete "the".

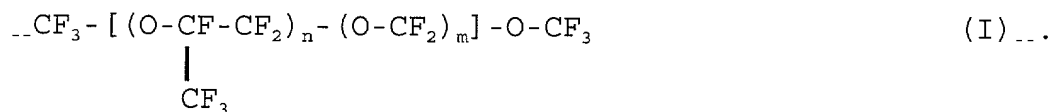
Claim 9, Line 2. Please delete "above 5" and substitute therefor
--more than five--.

Claim 9, Line 2. Please delete "their" and substitute therefor
--its--.

Claim 10, Lines 2-4. Please delete



and substitute therefor



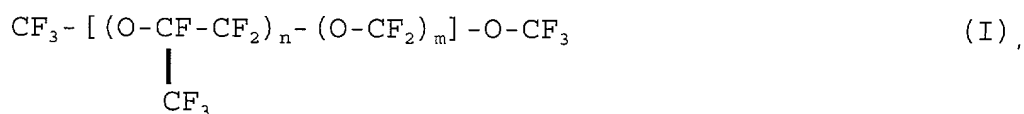
Claim 10, Line 6. Please delete "~600 and ~8000" and substitute
therefor --about 600 and about 8,000--.

Claim 11, Line 2. Please delete "1000 and 4000" and substitute
therefor --about 1,000 and about 4,000--.

Claim 12, Line 1 Please delete "claim 10" and substitute
therefor --claim 11--.

Please add the following new claims.

--13. A method for enhancing of absorption of active ingredients of pharmaceutical compositions, said pharmaceutical compositions being designed for topical external or internal applications, said ingredients being absorbed through derma, cutis, mucosa, rectum, vagina, and urethra, said method comprising using compounds of formula (I)



wherein n and m is each within a range of more than 18 and less than 46, preferably within a range of more than 24 and less than 36, and with molecular weights between about 600 and about 8,000, preferably between about 1,000 and about 4,000.

14. The method according to Claim 7, wherein drugs Troxerutine, Nimesulide and non-steroidal anti-inflammatory drugs are used, said non-steroidal anti-inflammatory drugs comprising Ketoprofen, Diclofenac Sodium, Ibuprofen, Etodolic Acid, and Piroxicam.

15. Pharmaceutical compositions according to Claim 3, containing other compatible ingredients and being present in form of creams, emulsions, ointments, lotions, foams, gels, aspersion powders and transdermal formulations.

16. The method according to claim 6, wherein the active

ingredients are used, preferably having anabolic, androgenic, anesthetic, anorectic, anthelmintic, antiallergic, antiamebic, antiandrogenic, antianginal, antiarrhythmic, antiarterosclerotic, antiarthritic and antirheumatic, antibacterial, anticholinergic, anticonvulsant, antidepressant, antidiabetic, antidiarrheal, antidiuretic, antiestrogenic, antibiotic, antiglaucoma, antigonatropic, antihistaminic, antihyperlipoproteinemic, antihyperthyroid, antihypertensive, antiinflammatory, antimalarial, antimigraine, antinauseant, antineoplastic, antiparkinsonian, antiprotozoal, antipruritic, antopsoriatic, antipsychotic, antipyretic, antiseptic, antispasmodic, antithrombotic, antitussive, antiulcer, antiviral, anxiolytic, bronchodilator, CA-blocking or regulating, cardiostimulant, stimulating, decongestant, diuretic or enzymatic effect.

17. The method according to claim 6, wherein transabsorption of drugs is increased up to more than five times its normal value.--

REMARKS

This Amendment amends Claims 3, 4, 7, and 9 so that they are no longer multiply dependent. The Applicant may elect to amend Claims 3, 4, 7, and 9 to make them again multiply dependent or to add additional claims to this application to provide coverage similar to, broader than or narrower than the present claims at any time during the pendency of the above-identified U.S. application.

Preliminary Amendment
October 16, 2000
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EL394034445US

This Amendment also eliminates non-statutory "use" claims. To that end, the Amendment cancels the "use" claim 5, introduces a new method Claim 13 and makes the "use" claims 6, 7, and 9 method claims depending on new Claim 13. The Amendment also cancels the "use" Claim 8 and introduces a new method Claim 14 instead.

Amendment of the subject application is respectfully requested.

Respectfully submitted,



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PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS
WITH ACTIVITY FOR THE ENHANCEMENT OF ABSORPTION OF
ACTIVE INGREDIENTS

5 The invention described herein refers to pharmaceutical compositions, to the use of compounds as agents with activity for the enhancement of absorption of active ingredients and to specific compounds, all according to the general sections of claims 1, 2, 5, 6 and 10 hereinafter.

The problems related to percutaneous absorption of active ingredients in
10 topical and transdermal pharmaceutical presentations (drug delivery systems) is known and has been the subject matter of patents [1]

Percutaneous absorption: mechanisms-methodology-drug delivery, 2 Ed.,
Bronaugh Maibach, MARCEL DEKKER INC.

Among the most significant examples reported in scientific literature it is
15 possible to mention the enhancing activity of decylmethylsulfoxide in increasing percutaneous absorption of idoxuridine [2] Touitou, E. (1988), Int. J. Pharm. 43:1. The effect of dodecylazacycloheptan-2-one (Laurocapram, Azone) in enhancing absorption of various molecules was investigated by Stoughton [3] Stoughton, R. B. (1982), Arch. Dermatol.
20 118: 474 and by Sugibayashi [4] Sugibayashi, K., Hosoya, K. Morimoto, Y., and Higuchi, W. I. (1985), J. Pharm. Pharmacol. 37: 578.

Substances made available on the market and initially used in fields other than the pharmaceutical sector, subsequently proved to be of remarkable

importance also for the pharmaceutical industry. Among these, we can find the Perfluoropolyether class of compounds (PFPE) [5] obtained by polymerization of hexafluoropropene with oxygen activated by UV radiation and subsequent treatment to obtain a cosmetic product [6] as an
5 excipient for preparations used in the manufacture of products with a barrier effect [7].

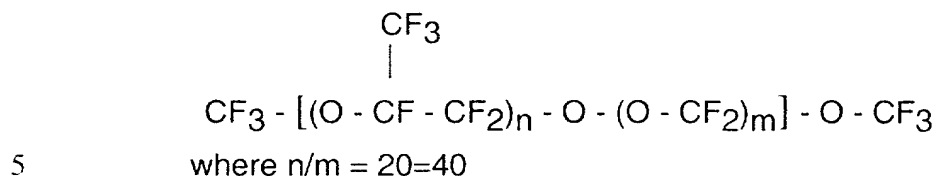
SUMMARY OF THE INVENTION

The following invention consists in the use of PFPE to enhance absorption
10 of pharmacologically active ingredients in topical pharmaceutical presentations and/or in transdermal formulations (drug delivery systems) containing mixtures of at least one active ingredient for the enhancement of absorption.

These compounds, if included in pharmaceutical presentations containing
15 an association or at least one active ingredient, can modify the permeating capacity of the active ingredients through the skin, demonstrating a surprising and unexpected capacity to promote the penetration of the active ingredient.

In accordance with the first aspect of the invention, inclusion of a quantity
20 of PFPE may be applied in traditional topical formulations such as, for example, but not limited to: creams, liquid emulsions, ointments, lotions, microemulsions, foams, gels, aspersion powders; and in transdermal formulations (drug delivery systems).

The term PFPE means molecules with a chemical structure



with molecular weights between 650 and 6250,

C.A.S. name: 1-Propene,1,1,2,3,3,3-hexafluoro-,oxidized and polymerized

C.A.S. number: 69991-67-9

Surprisingly, it was found that inclusion of a quantity of PFPE at

10 concentrations between 0.01% w/w and 60% w/w, in topical and/or

transdermal (drug delivery systems) formulations, increases the

percutaneous absorption of active ingredients by over 5-20 times their

normal value, thus enabling improved absorption and optimization of their

systemic effects through suitable pharmaceutical presentations.

15

DETAILED DESCRIPTION OF THE INVENTION

Comprehension of the invention is facilitated by the description of a

number of assessments on the percutaneous absorption of certain

formulations containing different active ingredients.

20 **Example A** illustrates the increase in permeability by approx. 10 times of a

formulation containing Troxerutine and 3% PFPE as compared with that of

a reference formulation.

Example B demonstrates the correlation between PFPE concentration and percutaneous absorption of formulations containing Nimesulide and increasing concentrations of PFPE.

Example C contains a comparison of the permeation speed of

- 5 formulations containing non-steroidal antiinflammatory drugs versus formulations to which 3% PFPE has been added.

Example A

- Verification of the percutaneous absorption of TROXERUTINE through pig skin using various formulations containing different types of absorption
10 enhancers. In particular, this involved investigation of the release of TROXERUTINE from formulations containing PFPE, Nor-chenodeoxycolic acid and transcutol, versus a reference formulation.

Experimental section:

- Apparatus: Franz Cells (manufacturer: Crown Glass Company Inc., New
15 Jersey)

- Franz diffusion cells are one of the main systems used for the investigation of ex-vivo permeation. This study involved the use of three cells each with a 9 mm diameter donor compartment corresponding with a diffusion area of 64 mm².
20 The receptor compartment has a capacity of 4.8 ml. The receptor chamber is heated to 37°C±1.

Test system: HPLC, Gilson, Mod. 305 with Spectra Physics detector, Spectra 200 Mod.

Formulations:

| | A | B | C | D |
|--------------------------|----------|----------|----------|----------|
| Troxerutine | 3 | 3 | 3 | 3 |
| Phosphatidylcholine | 7 | 7 | 7 | 7 |
| Tocopherol acetate | 0.5 | 0.5 | 0.5 | 0.5 |
| Sepigel 305 | 4 | 4 | 4 | 4 |
| Methyl-p-hydroxybenzoate | 0.15 | 0.15 | 0.15 | 0.15 |
| Propyl-p-hydroxybenzoate | 0.05 | 0.05 | 0.05 | 0.05 |
| Phenoxyethanol | 1 | 1 | 1 | 1 |
| PFPE | 3 | - | - | - |
| Nor-chenodeoxycolic acid | - | 0.4 | - | - |
| Transcutol | - | - | 15 | - |
| Purified water q.s. to: | 100 | 100 | 100 | 100 |

Preparation of the skin

The pig skin samples were taken from the internal ear of pigs that had just been sacrificed.

- 5 The samples were soaked in buffer solution at pH 7.4 for 24 hours at 4°C. The sections of connective tissue and muscle were subsequently removed from the skin and the sample was cut into 2x2 cm squares.

The skin samples were stored at -20°C.

HPLC Operating Test Conditions

- 10 Column: KP 18, 5 micron Licrospher 100
- Mobile phase: 20% acetonitrile 80% phosphate buffer at pH 6.6
- Flow: 1 ml/min
- Pressure: 1.52 Kpsi
- Wavelength: 245 nm
- 15 RT: 8.51

Procedure

The pig skin is placed between the donor compartment and the receptor chamber with the external skin surface facing the upper compartment. The test formulation is placed inside the donor compartment.

- 5 The receptor chamber is filled with a phosphate buffer solution at pH 7.4 and at intervals between 0.5 and 8 hours, 2 ml of solution are drawn from this chamber. When each sample is taken fresh buffer solution heated to 37°C is added in order to replenish the initial volume. The samples are then tested using a HPLC method. Each test is repeated three times.

10 Results

The results on percutaneous absorption are summarized in the table below

| TIME (h) | mcg of permeated Troxerutine | | | |
|----------|------------------------------|--------|--------|----------|
| | A | B | C | D |
| 0.5 | 18.89 | 13.26 | 8.29 | 13.7 |
| 1 | 77.48 | 43.04 | 17.17 | 50.51 |
| 2 | 345.29 | 102.6 | 58.19 | 232.84 |
| 4 | 1,289.11 | 390.80 | 229.46 | 636.68 |
| 6 | 3,999.07 | 614.95 | 530 | 1,053.09 |
| 8 | 12,042 | 1,090 | 714.6 | 1,434.90 |

Conclusions

- Formulations B, C, D did not show any difference in absorption, whilst at
- 15 the eighth hour, formulation A containing PFPE, demonstrated a degree of absorption that was about 9-10 times greater than that of reference formulation D.

Example B

Verification of the absorption of NIMESULIDE through pig skin, using Franz cells, as described in Example A, using various formulations containing different concentrations of PFPE versus a reference formulation.

Formulations:

| | A | B | C | D |
|--------------------------|----------|----------|----------|----------|
| Nimesulide | 5 | 5 | 5 | 5 |
| Lactic acid | 2 | 2 | 2 | 2 |
| Ethyl alcohol 95° | 4 | 4 | 4 | 4 |
| Glycerine | 5 | 5 | 5 | 5 |
| PFPE | - | 1.5 | 3 | 4.5 |
| Sepigel 305 | 4 | 4 | 4 | 4 |
| Phosphatidylcholine | 2 | 2 | 2 | 2 |
| Methyl-p-hydroxybenzoate | 0.15 | 0.15 | 0.15 | 0.15 |
| Propyl-p-hydroxybenzoate | 0.05 | 0.05 | 0.05 | 0.05 |
| Purified water q.s. to: | 100% | 100% | 100% | 100% |

Results

The results on permeability are summarized in the following table

| TIME (h) | mcg of permeated Nimesulide | | | |
|-----------------|------------------------------------|----------|----------|----------|
| | A | B | C | D |
| 0.5 | 0.15 | 0.16 | 0.59 | 0.83 |
| 1 | 0.27 | 0.39 | 0.59 | 1.21 |
| 2 | 0.35 | 0.72 | 0.97 | 1.70 |
| 4 | 0.86 | 1.14 | 1.24 | 1.91 |
| 6 | 1.15 | 1.54 | 2.21 | 2.38 |
| 8 | 1.54 | 2.24 | 3.21 | 3.73 |
| 24 | 3.53 | 6.00 | 9.71 | 9.86 |

Conclusions

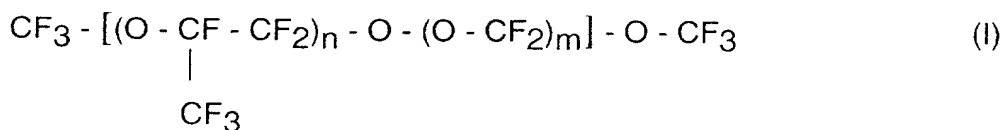
Formulations B, C, D demonstrated an increasing capacity to permeate the skin; this permeating capacity is correlated with the increasing percentage content of PFPE.

5 **Example C**

Verification of absorption after 8 hours, of topical formulations containing antiinflammatory drugs versus formulations which also contain 3% PFPE, through pig skin, using Franz cells, as described in Example A.

| Active ingredient contained in the topical formulation | mcg of permeated active ingredient after 8 hours | |
|--|---|-------------------------|
| | Base formula | Base formula+3% PFPE |
| Ketoprofen | 0.64 | 5.33 |
| Diclofenac Sodium | 1.82 | 8.66 |
| Ibuprofen | 0.21 | 6.84 |
| Etodolic Acid | 0.53 | 9.93 |
| Piroxicam | 1.19 | 7.94 |

- 10 The invention is characterized by the claims at the end of this description. According to the invention the pharmaceutical compositions contain, apart from one or more active ingredient(s), between 0.01 and 60% w/w of the compounds of formula I



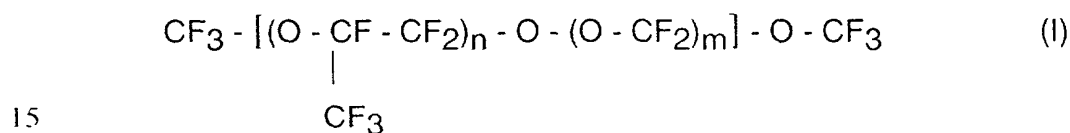
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with n and m > 18 and < 46 and with molecular weights between ~600 and ~8000, as compounds with activity for the enhancement of active ingredient absorption.

Such pharmaceutical compositions may also contain between 0.01 and 5 20% w/w of Phosphatidylcholine, the compositions preferred are those with 0.1 to 30% w/w of the compounds of formula I with n and m > 24 and < 36 and with molecular weights between 1000 and 4000 and with 0.1 to 10% w/w of Phosphatidylcholine.

They may also contain other compatible ingredients that are present in the 10 form of creams, emulsions, ointments, lotions, foams, gels and transdermal formulations.

The invention also includes the use of the compounds of formula I



with n and m > 18 and < 46, preferably > 24 and < 36, and with molecular weights between ~600 and ~8000, preferably between 1000 and 4000, in pharmaceutical compositions for topical external or internal use for the enhancement of absorption of active ingredients through the derma, cutis, 20 mucosa, rectum, vagina and urethra, with or without Phosphatidylcholine.

In particular, such use regards active ingredients that have anabolic, analgesic, androgenic, anesthetic, anorectic, anthelmintic, antiallergic, antiamebic, antiandrogenic, antianginal, antiarrhythmic,

antiarteriosclerotic, antiarthritic and antirheumatic, antibacterial, anticholinergic, anticonvulsant, antidepressant, antidiabetic, antidiarrheal, antidiuretic, antiestrogenic, antibiotic, antiglaucoma, antigonatropic, antihistaminic, antihyperlipoproteinemic, antihyperthyroid,

- 5 antihypertensive, anti-inflammatory, antimalarial, antimigraine, antinauseant, antineoplastic, antiparkinsonian, antiprotozoal, antipruritic, antipsoriatic, antipsychotic, antipyretic, antiseptic, antispasmodic, antithrombotic, antitussive, antiulcer, antiviral, anxiolytic, bronchodilator, CA-blocking or regulating, cardiotonic, stimulating, decongestant, diuretic
10 or enzymatic effect.

More specifically, use of this invention regards Troxerutine and Nimesulide and, also

1) α -Adrenergic agonists such as Adrafinil. Adrenolone. Amidephrine. Apraclonidine. Budralazine. Clonidine. Cyclopentamine. Detomidine.

- 15 Dimetofrine. Dipivefrin. Ephedrine. Epinephrine. Fenoxazoline. Guanabenz. Guanfacine. Hydroxyamphetamine. Ibopamine. Indanazoline. Isometheptene. Mephentermine. Metaraminol. Methoxamine Hydrochloride. Methylhexanamine. Metizolene. Midodrine. Naphazoline. Norepinephrine. Norfenefrine. Octodrine. Octopamine. Oxymetazoline.

- 20 Phenylephrine Hydrochloride. Phenylpropanolamine Hydrochloride. Phenylpropylmethylamine. Pholedrine. Propylhexedrine. Pseudoephedrine. Rilmenidine. Synephrine. Tetrahydrozoline. Tiamenidine. Tramazoline. Tuaminoheptane. Tymazoline. Tyramine and

Xylometazoline.

2) β -Adrenergic agonists such as Albuterol. Bambuterol. Bitolterol.

Carbuterol. Clenbuterol. Clorprenaline. Denopamine. Dioxethedrine.

Dopexamine. Ephedrine. Epinephrine. Etafedrine. Ethylnorepinephrine.

5 Fenoterol. Formoterol. Hexoprenaline. Ibopamine. Isoetharine.

Isoproterenol. Mabuterol. Metaproterenol. Methoxyphenamine. Oxyfedrine.

Pirbuterol. Prenalterol. Procaterol. Protokylol. Reproterol. Rimiterol.

Ritodrine. Soterenol. Terbuterol and Xamoterol.

3) α -Adrenergic blockers such as Amosulalol. Arotinolol. Dapiprazole.

10 Doxazosin. Ergoloid Mesylates. Fenspiride. Indoramin. Labetalol.

Nicergoline. Prazosin. Terazosin. Tolazoline. Trimazosin and Yohimbine.

4) β -Adrenergic blockers such as Acebutolol. Alprenolol. Amosulalol.

Arotinolol. Atenolol. Befunolol. Betaxolol. Bevantolol. Bisoprolol.

Bopindolol. Bucumolol. Bufetolol. Bufuralol. Bunitrolol. Bupranolol.

15 Butidrine Hydrochloride. Butofilolol. Carazolol. Carteolol. Carvedilol.

Celiprolol. Cetamolol. Cloranolol. Dilevalol. Epanolol. Esmolol. Indenolol.

Labetalol. Levobunolol. Mepindolol. Metipranolol. Metoprolol. Moprolol.

Nadoxolol. Nifenalol. Nipradilol. Oxprenolol. Penbutolol. Pindolol.

Practolol. Pronethalol. Propranolol. Sotalol. Sulfinalol. Talinolol. Tertatolol.

20 Timolol. Toliprolol and Xibenolol.

5) Alcohol deterrents such as Calcium Cyanamide Citrated.

Disulfiram. Nadide and Nitrefazole.

6) Aldose reductase inhibitors such as Epalrestat. Ponalrestat.

Sorbinil and Tolrestat.

7) Anabolics such as Androisoxazole. Androstenediol. Bolandiol.

Bolasterone. Clostebol. Ethylestrenol. Formyldienolone. 4-Hydroxy-19-nortestosterone. Methandriol. Methenolone. Methyltrienolone. Nandrolone.

5 Nandrolone Decanoate. Nandrolone p-Hexyloxyphenylpropionate.

Nandrolone Phenpropionate. Norbolethone. Oxymesterone. Pizotyline.

Quinbolone. Stenbolone and Trenbolone.

8) Analgesics (dental) such as Chlorobutanol. Clove and Eugenol.

9) Analgesics (narcotic) such as Alfentanil. Allylprodine.

10 Alphaprodine. Anileridine. Benzylmorphine. Bezitramide. Buprenorphine.

Butorphanol. Clonitazene. Codeine. Codeine Methyl Bromide. Codeine Phosphate. Codeine Sulfate. Desomorphine. Dextromoramide. Dezocine.

Diampromide. Dihydrocodeine. Dihydrocodeinone Enol Acetate.

Dihydromorphine. Dimenoxadol. Dimepheptanol. Dimethylthiambutene.

15 Dioxaphetyl Butyrate. Dipipanone. Eptazocine. Ethoheptazine.

Ethylmethylthiambutene. Ethylmorphine. Etonitazene. Fentanyl.

Hydrocodone. Hydromorphone. Hydroxypethidine. Isomethadone.

Ketobemidone. Levorphanol. Lofentanil. Meperidine. Meptazinol.

Metazocine. Methadone Hydrochloride. Metopon. Morphine. Morphine

20 Derivatives. Myrophine. Nalbuphine. Narceine. Nicomorphine.

Norlevorphanol. Normethadone. Normorphine. Norpipanone. Opium.

Oxycodone. Oxymorphone. Papaveretum. Pentazocine. Phenadoxone.

Phenazocine. Phenoperidine. Piminodine. Piritramide. Proheptazine.

Promedol. Properidine. Propiram. Propoxyphene. Sufentanil and Tilidine.

10) Analgesics (non-narcotic) such as Acetaminophen.

Acetaminosalol. Acetanilide. Acetylsalicylsalicylic Acid. Alclofenac.

Alminoprofen. Aloxiprin. Aluminum Bis (acetylsalicylate).

5 Aminochlorphenoxazin. 2-Amino-4-picoline. Aminopropylon. Aminopyrine.

Ammonium Salicylate. Antipyrine. Antipyrine Salicylate. Antrafenine.

Apazone. Aspirin. Benorylate. Benoxaprofen. Benzpiperylon.

Benzydamine. p-Bromoacetanilide. 5-Bromosalicylic Acid Acetate.

Bucetin. Bufexamac. Bumadizon. Butacetin. Calcium Acetylsalicylate.

10 Carbamazepine. Carbetidine. Carbiphen. Carsalam. Chloralantipyrine.

Chlorphenoxazin(e). Choline Salicylate. Cinchophen. Ciramadol.

Clometacin. Cropropamide. Crotethamide. Dexoadrol. Difenamizole.

Diflunisal. Dihydroxyaluminum Acetylsalicylate. Dipyracetyl. Dipyrone.

Emorfazone. Enfenamic Acid. Epirizole. Etersalate. Ethenzamide.

15 Ethoxazene. Etodolac. Felbinac. Fenoprofen. Floctafenine. Flufenamic

Acid. Fluoresone. Flupirtine. Fluproquazone. Flurbiprofen. Fosfosol.

Gentisic Acid. Glafenine. Ibuprofen. Imidazole Salicylate. Indomethacin.

Indoprofen. Isofezolac. Isoladol. Isonixin. Ketoprofen. Ketorolac. p-

Lactophenetide. Lefetamine. Loxoprofen. Lysine Acetylsalicylate.

20 Magnesium Acetylsalicylate. Methotrimetrazine. Metofoline. Miroprofen.

Morazone. Morpholine Salicylate. Naproxen. Nefopam. Nifenazone.

5-Nitro-2-propoxyacetanilide. Parsalimide. Perisoxal. Phenacetin.

Phenazopyridine Hydrochloride. Phenocoll. Phenopyrazone. Phenyl

Acetylsalicylate. Phenyl Salicylate. Phenyramidol. Pipebuzone. Piperylone.
 Prodilidine. Propacetamol. Propyphenazone. Proxazole. Quinine
 Salicylate. Ramifenazone. Rimazolium Metilsulfate. Salacetamide. Salicin.
 Salicylamide. Salicylamide O-Acetic Acid. Salicylsulfuric Acid. Salsalate.
 5 Salverine. Simetride. Sodium Salicylate. Sulfamipyrine. Suprofen.
 Talniflumate. Tenoxicam. Terofenamate. Tetradrine. Tinoridine.
 Tolfenamic Acid. Tolpronine. Tramadol. Viminol. Xenbucin and Zomepirac.

11) Androgens such as Boldenone. Fluoxymesterone. Mestanolone.
 Mesterolone. Methandrostenolone. 17-Methyltestosterone.

- 10 Methyltestosterone. 17 α -Methyltestosterone 3-Cyclopentyl Enol Ether.
 Norethandrolone. Normethandrone. Oxandrolone. Oxymesterone.
 Oxymetholone. Prasterone. Stanolone. Stanozolol. Testosterone.
 Testosterone 17-Chloral Hemiacetal. Testosterone 17 β -Cypionate.
 Testosterone Enanthate. Testosterone Nicotinate. Testosterone Phenyl
 15 Acetate. Testosterone Propionate and Tiomesterone.

12) Anesthetics (intravenous) such as Acetamidoeugenol. Alfadolone
 Acetate. Alfaxalone. Ambucaine. Amolanone. Amylocaine Hydrochloride.
 Benoxinate. Betoxycaine. Biphenamine. Bupivacaine. Butacaine.
 Butamben. Butanilicaine. Butethamine. Buthalital Sodium. Butoxycaine.
 20 Carticaine. 2-Chloroprocaine Hydrochloride. Cocaethylene. Cocaine.
 Cyclomethycaine. Dibucaine Hydrochloride. Dimethisoquin. Dimethocaine.
 Dipiperdon Hydrochloride. Dyclonine. Ecgonidine. Ecgonine. Ethyl
 Aminobenzoate. Ethyl Chloride. Etidocaine. Etoxadrol. β -Eucaine.

- Euprocain. Fenalcomine. Fomocaine. Hexobarbital. Hexylcaine Hydrochloride. Hydroxydione Sodium. Hydroxyprocaine. Hydroxytetracaine. Isobutyl p-Aminobenzoate. Kentamine. Leucinocaine Mesylate. Levoxadrol. Lidocaine. Mepivacaine. Meprylcaine
- 5 Hydrochloride. Metabutoxycaine Hydrochloride. Methohexital Sodium. Methyl Chloride. Midazolam. Myrtecaine. Naepaine. Octacaine. Orthocaine. Oxethazaine. Parethoxycaine. Phenacaine Hydrochloride. Phencyclidine. Phenol. Piperocaine. Piridocaine. Polidocanol. Pramoxine. Prilocaine. Procaine. Propanidid. Propanocaine. Proparacaine.
- 10 Propipocaine. Propofol. Propoxycaine Hydrochloride. Pseudococaine. Pyrrocaine. Quinine Urea Hydrochloride. Risocaine. Salicyl Alcohol. Tetracaine Hydrochloride. Thialbarbital. Thimylal. Thiobutabarbital. Thiopental Sodium. Tolycaine. Trimecaine and Zolamine.
- 13) Anorectics such as** Aminorex. Amphecloral. Amphetamine.
- 15 Benzphetamine. Chlorphentermine. Clobenzorex. Cloforex. Clortermine. Cyclexedrine. Dextroamphetamine Sulfate. Diethylpropion. Diphemethoxidine. N-Ethylamphetamine. Fenbutrazate. Fenfluramine. Fenproporex. Furfurylmethylamphetamine. Levophacetoprate. Mazindol. Mefenorex. Metamfepramone. Methamphetamine. Norpseudoephedrine.
- 20 Phendimetrazine. Phenmetrazine. Phenpentermine. Phenylpropanolamine Hydrochloride and Picilorex.
- 14) Anthelmintics (Cestodes) such as** Arecoline. Aspidin. Aspidinol. Dichlorophen(e). Embelin. Kosin. Napthalene. Niclosamide. Pellertierine.

Pellertierine Tannate and Quinacrine.

15) Anthelmintics (Nematodes) such as Alantolactone. Amoscanate.

Ascaridole. Bephenium. Bitoscanate. Carbon Tetrachloride. Carvacrol.

Cyclobendazole. Diethylcarbamazine. Diphenane. Dithiazanine Iodide.

5 Dymanthine. Gentian Violet. 4-Hexylresorcinol. Kainic Acid. Mebendazole.

2-Naphthol. Oxantel. Papain. Piperazine. Piperazine Adipate. Piperazine

Citrate. Piperazine Edetate Calcium. Piperazine Tartrate. Pyrantel.

Pyrvinium Pamoate. α -Santonin. Stilbazium Iodide. Tetrachloroethylene.

Tetramisole. Thiabendazole. Thymol. Thymyl N-Isoamylcarbamate.

10 Triclofenol Piperazine and Urea Stibamine.

16) Anthelmintics (Onchocerca) such as Ivermectin and Suramin Sodium.

17) Anthelmintics (Schistosoma) such as Amoscanate. Amphotalide.

Antimony Potassium Tartrate. Antimony Sodium Gluconate. Antimony

15 Sodium Tartrate. Antimony Sodium Thioglycollate. Antimony

Thioglycollamide. Becanthone. Hycanthone. Lucanthone Hydrochloride.

Niridazole. Oxamniquine. Praziquantel. Stibocaptate. Stibophen and Urea Stibamine.

18) Anthelmintics (Trematodes) such as Anthiolimine and

20 Tetrachloroethylene.

19) Antiacne drugs such as Algestone Acetophenide. Azelaic Acid.

Benzoyl Peroxide. Cyoctol. Cyproterone. Motretinide. Resorcinol. Retinoic Acid and Tetroquinone.

20) Antiallergics such as Amlexanox. Astemizole. Azelastine.

Cromolyn. Fenpiprane. Histamine. Ibudilast. Nedocromil. Oxatomide.

Pentigetide. Poison Ivy Extract. Poison Oak Extract. Poison Sumac

Extract. Repirinast. Tranilast. Traxanox and Urushiol.

5 **21) Antiamebics such as** Arsthinol. Bialamicol. Carbarsone.

Cephaeline. Chlorbetamide. Chloroquine. Chlorphenoxamide.

Chlortetracycline. Dehydroemetine. Dibromopropamidine. Diloxanide.

Diphetarzone. Emetine. Fumagillin. Glaucarubin. Glycobiarsol. 8-Hydroxy-

7-iodo-5-quinolinesulfonic Acid. Iodochlorhydroxyquin. Iodoquinol.

10 **Paromomycin. Phanquinone. Phenarsone Sulfoxylate. Polybenzarsol.**

Propamidine. Quinfamide. Secnidazole. Sulfarside. Teclozan.

Tetracycline. Thiocarbamizine. Thiocarbarsone and Tinidazole.

22) Antiandrogens such as Bifluranol. Cyoctol. Cyproterone.

Delmadinone Acetate. Flutamide. Nilutamide and Oxendolone.

15 **23) Antianginals such as** Acebutolol. Alprenolol. Amiodarone.

Amlodipine. Arotinolol. Atenolol. Bepridil. Bevantolol. Bucumolol. Bufetolol.

Bufuralol. Bunitrolol. Bupranolol. Carozolol. Carteolol. Carvedilol Celiprolol.

Cinepazet Maleate. Diltiazem. Epanolol. Felodipine. Gallopamil.

Imolamine. Indenolol. Isosorbide Dinitrate. Isradipine. Limaprost.

20 **Mepindolol. Metoprolol. Molsidomine. Nadolol. Nicardipine. Nifedipine.**

Nifenalol. Nilvadipine. Nipradilol. Nisoldipine. Nitroglycerin. Oxprenolol.

Oxyfedrine. Ozagrel. Penbutolol. Pentaerythritol Tetranitrate. Pindolol.

Pronethalol. Propranolol. Sotalol. Terodiline. Timolol. Toliprolol and

Verapamil.

24) Antiarrhythmics such as Acebutolol. Acecainide Adenosine.

Ajmaline. Alprenolol. Amiodarone. Amoproxan. Aprindine. Arotinolol.

Atenolol. Bevantolol. Bretylium Tosylate. Bucumolol. Bufetolol. Bunaftine.

- 5 Bunitrolol. Bupranolol. Butidrine Hydrochloride. Butobendine. Capobenice Acid. Carazolol. Carteolol. Cifenline. Cloranolol. Disopyramide. Encainide. Esmolol. Flecainide. Gallopamil. Hydroquinidine. Indecainide. Indenolol. Ipratropium Bromide. Lidocaine. Lorajmine. Lorcainide. Meobentine. Metipranolol. Mexiletine. Moricizine. Nadoxolol. Nifenalol. Oxprenolol.
- 10 Penbutolol. Pindolol. Pirmenol. Practolol. Prajmaline. Procainamide Hydrochloride. Pronethalol. Propafenone. Propranolol. Pyrinoline. Quinidine Sulfate. Quinidine. Sotalol. Talinolol. Timolol. Tocainide. Verapamil. Viquidil and Xibenolol.

25) Antiartherosclerotics such as Pyridinol Carbamate.

- 15 **26) Antiarthritic/Antirheumatics such as** Allocupreide Sodium. Auranofin. Aurothioglucose. Aurothioglycanide. Azathioprine. Calcium 3-Aurothio-2-propanol-1-sulfonate. Chloroquine. Clobuzarit. Cuproxoline. Diacerein. Glucosamine. Gold Sodium Thiomalate. Gold Sodium Thiosulfate. Hydroxychloroquine. Kebuzone. Lobenzarit. Melittin.
- 20 Methotrexate. Myoral and Penicillamine.

27) Antibacterial (antibiotic) drugs, including:

Aminoglycosides such as Amikacin. Apramycin. Arbekacin.

Bambermycins. Butirosin. Dibekacin. Dihydrostreptomycin. Fortimicin(s).

Gentamicin. Isepamicin. Kanamycin. Micronomicin. Neomycin. Neomycin Undecylenate. Netilmicin. Paromomycin. Ribostamycin. Sisomicin.

Spectinomycin. Streptomycin. Streptonicozid and Tobramycin;

Amphenicols such as Azidamfenicol. Chloramphenicol. Chloramphenicol

- 5 *Palmitate.* Chloramphenicol Pantothenate. Florfenicol and Thiamphenicol;

Ansamycins such as Rifamide. Rifampin. Rifamycin and Rifaximin.

β -Lactams including:

Carbapenems such as Imipenem;

Cephalosporins such as Cefaclor. Cefadroxil. Cefamandole. Cefatrizine.

- 10 Cefazedone. Cefazolin. Cefixime. Cefmenoxime. Cefodizime. Cefonicid.

Cefoperazone. Ceforanide. Cefotaxime. Cefotiam. Cefpimizole.

Cefpiramide. Cefpodoxime Proxetil. Cefroxadine. Cefsulodin. Ceftazidime.

Cefteram. Ceftezole. Ceftibuten. Ceftizoxime. Ceftriaxone. Cefuroxime.

Cefuzonam. Cephacetrile Sodium. Cephalixin. Cephaloglycin.

- 15 Cephaloridie. Cephalosporin. Cephalothin. Cephapirin Sodium.

Cephradine and Pivcefaalexin;

Cephameycins such as Cefbuperazone. Cefmetazole. Cefminox. Cefotetan and Cefoxitin;

Monobactams such as Aztreonam. Carumonam and Tigemonam;

- 20 *Oxacephems such as* Flomoxef and Moxolactam;

Penicillins such as Amidinocillin. Amdinocillin Pivoxil. Amoxicillin.

Ampicillin. Apalcillin. Aspoxicillin. Azidocillin. Azlocillin. Bacampicillin.

Benzympenicillinic Acid. Benzympenicillin Sodium. Carbenicillin. Carfecillin

- Sodium. Carindacillin. Clometocillin. Cloxacillin. Cyclacillin. Dicloxacillin. Diphenicillin Sodium. Epicillin. Fenbenicillin. Floxacillin. Hetacillin. Lenampicillin. Metampicillin. Methicillin Sodium. Mezlocillin. Nafcillin Sodium. Oxacillin. Penamecillin. Penethamate Hydriodide. Penicillin G
- 5 Benethamine. Penicillin G Benzathine. Penicillin G Benzhydrylamine. Penicillin G Calcium. Penicillin G Hydrabamine. Penicillin G Potassium. Penicillin G Procaine. Penicillin N. Penicillin O. Penicillin V. Penicillin V Benzathine. Penicillin V Hydrabamine. Penimepicycline. Phenethicillin Potassium. Piperacillin. Pivampicillin. Propicillin. Quinacillin. Sulbenicillin.
- 10 Talampicillin. Temocillin and Ticarcillin;
Lincosamides such as Clindamycin and Lincomycin;
Macrolides such as Azithromycin. Carbomycin. Clarithromycin. Erythromycin. Erythromycin Acistrate. Erythromycin Estolate. Erythromycin Glucoheptonate. Erythromycin Lactobionate. Erythromycin Propionate.
- 15 Erythromycin Stearate. Josamycin. Leucomycins. Midecamycins. Miokamycin. Oleandomycin. Primycin. Rokitamycin. Rosaramicin. Roxithromycin. Spiramycin and Troleandomycin;
Polypeptides such as Amphomycin. Bacitracin. Capreomycin. Colistin. Enduracidin. Enviomycin. Fusafungine. Gramicidin(s). Gramicidin S.
- 20 Mikamycin. Polymyxin. Polymyxin B-Methanesulfonic Acid. Pristinamycin. Ristocetin. Teicoplanin. Thiostrepton. Tuberactinomycin. Tyrocidine. Tyrothricin. Vancomycin. Viomycin. Viomycin Pantothenate. Virginiamycin and Zinc Bacitracin;

Tetracyclines such as Apicycline. Chlortetracycline. Clomocycline. Demeclocycline. Doxycycline. Guamecycline. Lymecycline. Meclocycline. Methacycline. Minocycline. Oxytetracycline. Penimepicycline. Pipacycline. Rolitetracycline. Sancycline. Senociclin and Tetracycline; and

- 5 *other antibiotics such as Cycloserine. Mupirocin and Tuberin.*

28) Antibacterial drugs (synthetic), including:

2.4-Diaminopyrimidines such as Brodimoprim. Tetroxoprim and Trimethoprim;

Nitrofurans such as Furaltadone. Furazolium Chloride. Nifuradene.

- 10 *Nifuratel. Nifurfoline. Nifurpirinol. Nifurprazine. Nifurtinol and Nitrofurantoin;*

Quinolones and Analogs such as Amifloxacin. Cinoxacin. Ciprofloxacin. Difloxacin. Enoxacin. Fleroxacin. Flumequine. Lomefloxacin. Miloxacin. Nalidixic Acid. Norfloxacin. Ofloxacin. Oxolinic Acid. Pefloxacin. Pipemidic
 15 *Acid. Piromidic Acid. Rosoxacin. Temafloxacin and Tosufloxacin;*

Sulfonamides such as Acetyl Sulfamethoxypyrazine. Acetyl Sulfisoxazole. Azosulfamide. Benzylsulfamide. Chloramine-B. Chloramine-T.

Dichloramine T. Formosulfathiazole. N²Formylsulfisomidine. N²-β-D-Glucosylsulfanilamide. Mafenide. 4'-(Methylsulfamoyl) sulfanilamide. p-

- 20 *Nitrosulfathiazole. Noprylsulfamide. Phthalylsulfacetamide.*

Phthalylsulfathiazole. Salazosulfadimidine. Succinylsulfathiazole.

Sulfabenzamide. Sulfacetamide. Sulfachlorpyridazine. Sulfachrysoidine.

Sulfacytine. Sulfadiazine. Sulfadicramide. Sulfadimethoxine. Sulfadoxine.

Sulfaethidole. Sulfaguanidine. Sulfaguanol. Sulfalene. Sulfaloxic Acid.

Sulfamerazine. Sulfameter. Sulfamethazine. Sulfamethizole.

Sulfamethomidine. Sulfamethoxazole. Sulfamethoxypyridazine.

Sulfametrole. Sulfamidochrysoidine. Sulfamoxole. Sulfanilamide.

5 Sulfanilamidomethanesulfonic Acid Triethanolamine Salt. 4-

Sulfanilamidosalicylic Acid. N⁴-Sulfanilylsulfanilamide. Sulfanilylurea. N-

Sulfanilyl-3,4-xylamide. Sulfanitrane. Sulfaperine. Sulfaphenazole.

Sulfaproxyline. Sulfapyrazine. Sulfapyridine. Sulfasomizole.

Sulfasymazine. Sulfathiazole. Sulfathiourea. Sulfatolamide. Sulfisomidine

10 and Sulfisoxazole;

Sulfones such as Acedapsone. Acediasulfone. Acetosulfone Sodium.

Dapsone. Diathymosulfone. Glucosulfone Sodium. Solasulfone.

Succisulfone. Sulfanilic Acid. p-Sulfanilylbenzylamine. p,p'-

Sulfonyldianiline-N,N'digalactoside. Sulfoxone Sodium and Thiazolsulfone;

15 and

others such as Clofoctol. Hexedine. Methenamine. Methenamine

Anhydromethylene-citrate. Methenamine Hippurate. Methenamine

Mandelate. Methenamine Sulfosalicylate. Nitroxoline and Xibornol.

29) Anticholinergics such as Adiphenine Hydrochloride. Alverine.

20 Ambutonium Bromide. Aminopentamide. Amixetrine. Amprotropine

Phosphate. Anisotropine Methylbromide. Apotropine. Atropine. Atropine

N-Oxide. Benactyzine. Benapryzine. Benzetimide. Benzilium Bromide.

Benztropine Mesylate. Bevonium Methyl Sulfate. Biperiden. Butropium

- Bromide. N-Butylscopolammonium Bromide. Buzepide. Camylofine.
 Caramiphen Hydrochloride. Chlorbenzoxamine. Chlorphenoxamine.
 Cimetropium Bromide. Clidinium Bromide. Cyclodrine. Cyclonium Iodide.
 Cycrimine Hydrochloride. Deptropine. Dexetimide. Dibutoline Sulfate.
- 5 Dicyclomine Hydrochloride. Diethazine. Difemerine. Dihexyverine.
 Diphemanil Methylsulfate. N-(1,2-Diphenylethyl)nicotinamide.
 Dipipraverine. Diponium Bromide. Emepronium Bromide. Endobenzyl
 Bromide. Ethopropazine. Ethybenztropine. Ethylbenzhydramine.
 Etomidoline. Eucatropine. Fenpiverinium Bromide. Fentonium Bromide.
- 10 Flutropium Bromide. Glycopyrrolate. Heteronium Bromide. Hexocyclium
 Methyl Sulfate. Homatropine. Hyoscyamine. Ipratropium Bromide.
 Isopropamide. Levomepate. Mecloxadine. Mepenzolate Bromide.
 Metcaraphen. Methantheline Bromide. Methixene. Methscopolamine
 Bromide. Octamylamine. Oxybutynin Chloride. Oxyphencyclimine.
- 15 Oxyphenonium Bromide. Pentapiperide. Penthienate Bromide.
 Phencarbamide. Phenglutarimide. Pipenzolate Bromide. Piperidolate.
 Piperilate. Poldine Methylsulfate. Pridinol. Prifinium Bromide. Procyclidine.
 Propantheline Bromide. Propenzolate. Propyromazine. Scopolamine.
 Scopolamine N-Oxide. Stilonium Iodide. Stramonium. Sultroponium.
- 20 Thihexinol. Thiphenamil. Tiemonium Iodide. Timepidium Bromide.
 Tiquizium Bromide. Tridihexethyl Iodide. Trihexyphenidyl Hydrochloride.
 Tropacine. Tropenzile. Tropicamide. Trospium Chloride. Valethamate
 Bromide and Xenytopium Bromide.

- 30) Anticonvulsants such as** Acetylpheneturide. Albutoin. Aloxidone. Aminogluthethimide. 4-Amino-3-hydroxybutyric Acid. Atrolactamide. Beclamide. Buramate. Calcium Bromide. Carbamazepine. Cinromide. Clomethiazole. Clonazepam. Decimemide. Diethadione. Dimethadione. Doxenitoin. Eterobarb. Ethadione. Ethosuximide. Ethotoin. Fluoresone. 5-Hydroxytryptophan. Lamotrigine. Magnesium Bromide. Magnesium Sulfate. Mephenytoin. Mephobarbital. Metharbital. Methetoin. Methsuximide. 5-Methyl-5-(3-phenanthryl)hydantoin. 3-Methyl-5-phenylhydantoin. Narcobarbital. Nimetazepam. Nitrazepam.
- 10 Paramethadione. Phenacemide. Phenetharbital. Pheneturide. Phenobarbital. Phenobarbital Sodium. Phensuximide. Phenylmethylbarbituric Acid. Phenytoin. Phethenylate Sodium. Potassium Bromide. Primidone. Progabide. Sodium Bromide. Solanum. Strontium Bromide. Suclofenide. Sulthiame. Tetrantoin. Trimethadione. Valproic
- 15 Acid. Valpromide. Vigabatrin and Zonisamide.

31) Antidepressants, including:

- Bicyclics such as* Binedaline. Caroxazone. Citalopram. Dimethazan. Indalpine. Fencamine. Indeloxazine Hydrochloride. Nefopam. Nomifensine. Oxitriptan. Oxypertine. Paroxetine. Sertraline. Thiazesim.
- 20 Trazodone and Zometapine;
- Hydrazides/Hydrazines such as* Benmoxine. Iproclozide. Iproniazid. Isocarboxazid. Nialamide. Octamoxin and Phenelzine;
- Pyrrolidones such as* Cotinine. Rolicyprine and Rolipram;

- Tetracyclics such as* Maprotiline. Metralindole. Mianserin and Oxaprotiline;
Tricyclics such as Adinazolam. Amitriptyline. Amitriptylinoxide. Amoxapine.
 Butriptyline. Clomipramine. Demexiptiline. Desipramine. Dibenzipin.
 Dimetacrine. Dothiepin. Doxepin. Fluacizine. Imipramine. Imipramine N-
 5 Oxide. Iprindole. Lofepramine. Melitracen. Metapramine. Nortriptyline.
 Noxiptilin. Opipramol. Pizotyline. Propizepine. Protriptyline. Quinupramine.
 Tianeptine and Trimipramine; and
others such as Adrafinil. Benactyzine. Bupropion. Butacetin. Deanol.
 Deanol Aceglumate. Deanol Acetamidobenzoate. Dioxadrol. Etoferidone.
 10 Febarbamate. Femoxetine. Fenpentadiol. Fluoxetine. Fluvoxamine.
 Hematoporphyrin. Hypercinin. Levophacetoperane. Medifoxamine.
 Minaprine. Moclobemide. Oxaflozane. Piberaline. Prolintane.
 Pyrisuccideanol. Rubidium Chloride. Sulpiride. Sultopride. Teniloxazine.
 Thozalinone. Tofenacin. Toloxatone. Tranylcypromine. L-Tryptophan.
 15 Viloxazine and Zimeldine.

32) Antidiabetics, including:

- Biguanides such as* Buformin. Metformin and Phenformin;
Hormones such as Glucagon. Insulin. Insulin Injection. Insulin Zinc
 Suspension. Isophane Insulin Suspension. Protamine Zinc Insulin
 20 Suspension and Zinc Insulin Crystals;
Sulfonylurea derivatives such as Acetohexamide. 1-Butyl-3-metanilylurea.
 Carbutamide. Chlorpropamide. Glibornuride. Gliclazide. Glipizide.
 Gliquidone. Glisoxepid. Glyburide. Glybuthiazol(e). Glybuzole.

Glyhexamide. Glymidine. Glypinamide. Phenbutamide. Tolazamide.

Tolbutamide and Tolcyclamide; and

others such as Acarbose. Calcium Mesoxalate and Miglitol.

33) Antidiarrheal drugs such as Acetyltannic Acid. Albumin Tannate.

5 **Alkofanone. Aluminum Salicylates-Basic. Catechin. Difenoxin.**

Diphenoxylate. Lidamidine. Loperamide. Mebiquine. Trillium and Uzarin.

34) Antidiuretics such as Desmopressin. Felypressin. Lypressin.

Ornipressin. Oxycinchophen. Pituitary-Posterior. Terlipressin and

Vasopressin.

10 **35) Antiestrogens such as** Delmadinone Acetate. Ethamoxytriphetol.

Tamoxifen and Toremifene.

36) Antifungal drugs (antibiotics), including:

Polyenes such as Amphotericin-B. Candicidin. Dermostatin. Filipin.

Fungichromin. Hachimycin. Hamycin. Lucensomycin. Mepartricin.

15 **Natamycin. Nystatin. Pecilocin and Perimycin; and**

others such as Azaserine. Griseofulvin. Oligomycins. Neomycin

Undecylenate. Pyrrolnitrin. Siccanin. Tubercidin and Viridin.

37) Antifungal drugs (synthetic), including:

Allylamines such as Naftifine and Terbinafine;

20 *Imidazoles such as* Bifonazole. Butoconazole. Chlordantoin.

Chlormidazole. Cloconazole. Clotrimazole. Econazole. Enilconazole.

Fenticonazole. Isoconazole. Ketoconazole. Miconazole. Omoconazole.

Oxiconazole Nitrate. Sulconazole and Tioconazole;

Triazoles such as Fluconazole. Itraconazole and Terconazole; and others such as Acrisorcin. Amorolfine. Biphenamine.

Bromosalicylchloranilide. Buclosamide. Calcium Propionate.

Chlorphenesin. Ciclopirox. Cloxyquin. Coparaffinate. Diamthazole

5 *Dihydrochloride. Exalamide. Flucytosine. Halethazole. Hexetidine.*

Loflucarban. Nifuratel. Potassium Iodide. Propionic Acid. Pyrithione.

Salicylanilide. Sodium Propionate. Sulbentine. Tenonitrozole. Tolciclate.

Tolindate. Tolnaftate. Triacetin. Ujothion. Undecylenic Acid and Zinc Propionate.

10 **38) Antiglaucoma drugs such as** Acetazolamide. Befunolol. Betaxolol.

Bupranolol. Carteolol. Dapiprazole. Dichlorphenamide. Dipivefrin.

Epinephrine. Levobunolol. Methazolamide. Metipranolol. Pilocarpine.

Pindolol and Timolol.

39) Antigonadotropins such as Danazol. Gestrinone and

15 Paroxypropione.

40) Antigout drugs such as Allopurinol. Carprofen. Colchicine.

Probenecid and Sulfipyrazone.

41) Antihistamines, including:

Alkylamine derivatives such as Acrivastine. Bamipine. Brompheniramine.

20 *Chlorpheniramine. Dimethindene. Metron S. Pheniramine. Pyrrobutamine.*

Thenaldine. Tolpropamine and Triprolidine;

Aminoalkyl ethers such as Bietanautine. Bromodiphenhydramine.

Carbinoxamine. Clemastine. Diphenylpyraline. Doxylamine. Embramine.

Medrylamine. Mephenhydramine. p-Methyldiphenhydramine.

Orphenadrine. Phenyltoloxamine. Piprinhydrinate and Setasine;

Ethylenediamine derivatives such as Alloclamide. p-Bromtripelennamine.

Chloropyramine. Chlorothen. Histapyrrodine. Methafurylene.

5 Methaphenilene. Methapyrilene. Phenbenzamine. Pyrilamine. Talastine.

Thenyldiamine. Thonzylamine Hydrochloride. Tripelennamine and
Zolamine;

Piperazines such as Cetirizine. Chlorcyclizine. Cinnarizine. Clocinazine and
Hydroxyzine;

10 *Tricyclics, including:*

Phenothiazines such as Ahistan. Etymemazine. Hydroxyzine. N-
Hydroxyethylpromethazine Chloride. Isopromethazine. Mequitazine.

Promethazine. Pyrathiazine and Thiazinamium Methyl Sulfate; and

others such as Azatadine. Clobenzepam. Cyproheptadine. Deptropine.

15 Isothipendyl. Loratadine and Prothipendyl; and

other antihistamines such as Antazoline. Astemizole. Azelastine.

Cetoxime. Clemizole. Clobenztropine. Diphenazoline. Diphenhydramine.

Mebhydroline. Phenindamine. Terfenadine and Tritoqualine.

42) Antihyperlipoproteinemics, including:

20 *Aryloxyalkanoic acid derivatives such as* Beclobrate. Bezafibrate.

Binifibrate. Ciprofibrate. Clinofibrate. Clofibrate. Clofibric Acid. Etofibrate.

Fenofibrate. Gemfibrozil. Nicofibrate. Pirifibrate. Ronifibrate. Simfibrate
and Theofibrate;

Bile acid sequesterants such as Cholestyramine Resin. Colestipol and Polidexide;

HMG CoA reductase inhibitors such as Lovastatin. Pravastatin Sodium and Simvastatin;

- 5 *Nicotinic acid derivatives* Aluminum Nicotinate. Acipimox. Niceritrol. Nicoclonate. Nicomol and Oxiniacic Acid;

Thyroid hormones and analogs such as Etiroxate. Thyropropic Acid and Thyroxine; and

others such as Acifran. Azacosterol. Benfluorex. β -Benzalbutyramide.

- 10 Carnitine. Chondroitin Sulfate. Clomestron. Detaxtran. Dextran Sulfate Sodium. 5,8,11,14,17-Eicosapentaenoic Acid. Eritadenine. Furazabol. Meglutol. Melinamide. Mytatrienediol. Ornithine. γ -Oryzanol. Pantethine. Pentaerythritol Tetraacetate. α -Phenylbutyramide. Pirozadil. Probucol. α -Sitosterol. Sultosilic Acid. Piperazine Salt. Tiadenol. Triparanol and
- 15 Xenbucin.

43) Antihypertensive drugs, including:

Arylethanolamine derivatives such as Amosulalol. Bufuralol. Dilevalol. Labetalol. Pronethalol. Sotalol and Sulfinalol;

Aryloxypropanolamine derivatives such as Acebutolol. Alprenolol.

- 20 Arotinolol. Atenolol. Betaxolol. Bevantolol. Bisoprolol. Bopindolol. Bunitrolol. Bupranolol. Butofilolol. Carazolol. Carteolol. Carvedilol. Celiprolol. Cetamolol. Epanolol. Indenolol. Mepindolol. Metipranolol. Metoprolol. Moprolol. Nadolol. Nipradilol. Oxprenolol. Penbutolol. Pindolol.

Propranolol. Talinolol. Tertatolol. Timolol and Toliprolol;

Benzothiadiazine derivatives such as Althiazide. Bendroflumethiazide.

Benzthiazide. Benzylhydrochlorothiazide. Buthiazide. Chlorothiazide.

Chlorthalidone. Cyclopenthiazide. Cyclothiazide. Diazoxide. Epithiazide.

5 Ethiazide. Fenquizone. Hydrochlorothiazide. Hydroflumethiazide.

Methyclothiazide. Meticrane. Metolazone. Paraflutizide. Polythiazide.

Tetrachlormethiazide and Trichlormethiazide;

N-Carboxyalkyl (petide/lactam) derivatives such as Alacepril. Captopril.

Cilazapril. Delapril. Enalapril. Enalaprilat. Fosinopril. Lisinopril. Moveltipril.

10 Perindopril. Quinapril and Ramipril;

Dihydropyridine derivatives such as Amlodipine. Felodipine. Isradipine.

Nicardipine. Nifedipine. Nilvadipine. Nisoldipine and Nitrendipine;

Guanidine derivatives such as Bethanidine. Debrisoquin. Guanabenz.

Guanacline. Guanadrel. Guanazodine. Guanethidine. Guanfacine.

15 Guanochlor. Guanoxabenz and Guanoxan;

Hydrazines and phthalazines such as Budralazine. Cadralazine.

Dihydralazine. Endralazine. Hydracarbazine. Hydralazine. Pheniprazine.

Pildralazine and Todralazine;

Imidazole derivatives such as Clonidine. Lofexidine. Phentolamine.

20 Tiamenidine and Tolonidine;

Quaternary ammonium compounds Azamethonium Bromide.

Chlorisondamine Chloride. Hexamethonium. Pentacynium Bis(methyl

sulfate). Pentamethonium Bromide. Pentolinium Tartate. Phenactopinium

Chloride and Trimethidinium Methosulfate;

Quinazoline derivatives such as Alfuzosin. Bunazosin Doxazosin.

Prazosin. Terazosin and Trimazosin;

Reserpine derivatives such as Bietaserpine. Deserpidine. Rescinnamine.

- 5 Reserpine and Syrotingopine;

Sulfonamide derivatives such as Ambuside. Clopamide. Furosemide.

Indapamide. Quinethazone. Tripamide and Xipamide; and

others such as Ajmaline. γ -Aminobutyric Acid. Bufeniode. Chlorthalidone.

Cicletanine. Ciclosidomine. Cryptenamine Tannates. Fenoldopam.

- 10 Flosequinan. Indoramin. Ketanserin. Mebutamate. Mecamylamine.

Methyldopa. Methyl 4-Pyridyl Ketone Thiosemicarbarzone. Metolazone.

Minoxidil. Muzolimine. Pargyline. Pempidine. Pinacidil. Piperoxan.

Primaperone. Protoveratrines. Raubasine. Rescimetol. Rilmenidene.

Saralasin. Sodium Nitroprusside. Ticrynafen. Trimethaphan Camsylate.

- 15 Tyrosinase and Urapidil.

44) Antihyperthyroids such as 2-Amino-4-methylthiazole. 2-

Aminothiazole. Carbimazole. 3,5-Dibromo-L-tyrosine. 3,5-Diodotyrosine.

Hinderin. Iodine. Iothiouracil. Methimazole. Methylthiouracil.

Propylthiouracil. Sodium Perchlorate. Thibenzazoline. Thiobarbital and 2-

- 20 Thiouracil.

45) Antihypotensive drugs such as Amezinium Methyl Sulfate.

Angiotensin Amide. Dimetofrine. Dopamine. Etifelmin. Etilefrin. Gepefrine.

Metaraminol. Midodrine. Norepinephrine. Pholedrine and Synephrine.

46) Antihypothyroid drugs such as Levothyroxine Sodium.

Liothyronine. Thyroid. Thyroidin. Thyroxine. Tiratricol and TSH.

47) Anti-Inflammatory (non-steroidal) drugs, including:

Aminoarylcarboxylic acid derivatives such as Enfenamic Acid.

- 5 Etofenamate. Flufenamic Acid. Isonixin. Meclofenamic Acid. Mefenamic Acid. Niflumic Acid. Talniflumate. Terofenamate and Tolfenamic Acid;
Arylacetic acid derivatives such as Acemetacin. Alclofenac. Amfenac. Bufexamac. Cinmetacin. Clopirac. Diclofenac Sodium. Etodolac. Felbinac. Fenclofenac. Fenclorac. Fenclozic Acid. Fentiazac. Glucametacin.
- 10 Ibufenac. Indomethacin. Isofezolac. Isoxepac. Lonazolac. Metiazinic Acid. Oxametacine. Proglumetacin. Sulindac. Tiaramide. Tolmetin and Zomepirac;
Arylbutyric acid derivatives such as Bumadizon. Butibufen. Fenbufen and Xenbucin;
- 15 *Arylcarboxylic acid such as* Clidanac. Ketorolac and Tinoridine;
Arylpropionic acid derivatives such as Alminoprofen. Benoxaprofen. Bucloxic Acid. Carprofen. Fenoprofen. Flunoxaprofen. Flurbiprofen. Ibuprofen. Ibuproxam. Indoprofen. Ketoprofen. Loxoprofen. Mioprofen. Naproxen. Oxaprozin. Piketoprofen. Pirprofen. Pranoprofen. Protizinic
- 20 Acid. Suprofen and Tiaprofenic Acid;
Pyrazoles such as Difenamizole and Epirizole;
Pyrazolones such as Apazone. Benzpiperylon. Feprazone. Mofebutazone. Morazone. Oxyphenbutazone. Phenylbutazone. Pipebuzone.

Propyphenazone. Ramifenazone. Suxibuzone and Thiazolinobutazone;
Salicylic acid derivatives such as Acetaminosalol. Aspirin. Benorylate.
 Bromosaligenin. Calcium Acetylsalicylate. Diflunisal. Etersalate. Fendosal.
 Gentisic Acid. Glycol Salicylate. Imidazole Salicylate. Lysine

- 5 Acetylsalicylate. Mesalamine. Morpholine Salicylate. 1-Naphthyl Salicylate.
 Olsalazine. Parsalimide. Phenyl Acetylsalicylate. Phenyl Salicylate.
 Salacetamide. Salicylamine O-Acetic Acid. Salicylsulfuric Acid. Salsalate
 and Sulfasalazine;

Thiazinecarboxamides such as Droxicam. Isoxicam. Piroxicam and

- 10 Tenoxicam; and
others such as ϵ -Acetamidocaproic Acid. S-Adenosylmethionine. 3-Amino-
 4-hydroxybutyric Acid. Amixetrine. Bendazac. Benzydamine. Bucolome.
 Difenpiramide. Ditazol. Emorfazone. Guaiazulene. Nabumetone.
 Nimesulide. Orgotein. Oxaceprol. Paranyline. Perisoxal. Pifoxime.
- 15 Proquazone. Proxazole and Tenidap.

48) Antimalarial drugs such as Acedapsone. Amodiaquin. Arteether.
 Artemether. Artemisinin. Artesunate. Bebeerine. Berberine. Chirata.
 Chlorguanide. Chloroquine. Chlorproguanil. Cinchona. Cinchonidine.
 Cinchonine. Cycloguanil. Gentiopicrocin. Halofantrine. Hydroxychloroquine.
 20 Mefloquine Hydrochloride. 3-Methylarsacetin. Pamaquine. Plasmocid.
 Primaquine. Pyrimethamine. Quinacrine. Quinine. Quinine Bisulfate.
 Quinine Carbonate. Quinine Dihydrobromide. Quinine Dihydrochloride.
 Quinine Ethylcarbonate. Quinine Formate. Quinine Gluconate. Quinine

Hydriodide. Quinine Hydrochloride. Quinine Salicylate. Quinine Sulfate. Quinine Tannate. Quinine Urea Hydrochloride. Quinocide. Quinoline and Sodium Arsenate Dibasic.

49) Antimigraine drugs such as Alpiropride. Dihydroergotamine.

- 5 Ergocornine. Ergocorninine. Ergocryptine. Ergot. Ergotamine. Flumedroxone acetate. Fonazine. Lisuride. Methysergid(e). Oxetorone. Pizotyline and Sumatriptan.

50) Antinauseant drugs such as Acetylleucine Monoethanolamine.

- Alizapride. Benzquinamide. Bietanautine. Bromopride. Buclizine.
10 Chlorpromazine. Clebopride. Cyclizine. Dimenhydrinate. Diphenidol. Domperidone. Granisetron. Meclizine. Methallatal. Metoclopramide. Metopimazine. Nabilone. Ondansetron. Oxypendyl. Pipamazine. Piprinhydrate. Prochlorperazine. Scopolamine. Tetrahydrocannabinols. Thiethylperazine. Thioproperazine and Trimethobenzamide.

- 15 **51) Antineoplastic drugs, including:**

Alkylating agents, including:

Alkyl sulfonates such as Busulfan. Improsulfan and Pipo sulfan;

Aziridines such as Benzodepa. Carboquone. Meturedopa and Uredopa;

Ethylenimines and methylmelamines such as Altretamine.

- 20 Triethylenemelamine. Triethylenephosphoramide.

Triethylenethiophosphoramide and Trimethylolmelamine;

Nitrogen mustards such as Chlorambucil. Chlornaphazine.

Cyclophosphamide. Estramustine. Ifosfamide. Mechlorethamine.

Mechlorethamine Oxide Hydrochloride. Melphalan. Novembichin.
 Phenesterine. Prednimustine. Trofosfamide and Uracil Mustard;
Nitrosoureas such as Carmustine. Chlorozotocin. Fotemustine. Lomustine.
 Nimustine and Ranimustine; and

- 5 *others such as* Dacarbazine. Mannomustine. Mitobronitol. Mitolactol and
 Pipobroman;

Antibiotics such as Aclacinomycins. Actinomycin F₁. Anthramycin.
 Azaserine. Bleomycins. Cactinomycin. Carubicin. Carzinophilin.
 Chromomycins. Dactinomycin. Daunorubicin. 6-Diazo-5-oxo-L-norleucine.
 10 Doxorubicin. Epirubicin. Mitomycins. Mycophenolic Acid. Nogalamycin.
 Olivomycins. Peplomycin. Plicamycin. Porfiromycin. Puromycin.
 Streptonigrin. Streptozocin. Tubercidin. Ubenimex. Zinostatin and
 Zorubicin;

Antimetabolites, including:

- 15 *Folic acid analogs such as* Denopterin. Methotrexate. Pteropterin and
 Trimetrexate;

Purine analogs such as Fludarabine. 6-Mercaptopurine. Thiamiprine and
 Thioguanine; and

Pyrimidine analogs such as Ancitabine. Azacitidine. 6-Azauridine.

- 20 Carmofur. Cytarabine. Doxifluridine. Enocitabine. Floxuridine. Fluorouracil
 and Tegafur;

Enzymes such as L-Asparaginase; and

others such as Aceglatone. Amsacrine. Bestrabucil. Bisantrone.

Carboplatin. Cisplatin. Defosfamide. Demecolcine. Diaziquone.
 Eflornithine. Elliptinium Acetate. Etoglucid. Etoposide. Gallium Nitrate.
 Hydroxyurea. Interferon- α . Interferon- β . Interferon- γ . Interleukin-2.
 Lentinan. Lonidamine. Mitoguazone. Mitoxantrone. Mopidamol. Nitracrine.
 5 Pentostatin. Phenamet. Pirarubicin. Podophyllinic Acid. 2-Ethylhydrazide.
 Procarbazine. PSK®. Razoxane. Sizofiran. Spirogermanium. Taxol.
 Teniposide. Tenuazonic Acid. Triaziquone. 2,2',2''-Trichlorotriethylamine.
 Urethan. Vinblastine. Vincristine and Vindesine.

52) Antineoplastic (hormonal) drugs, including:

- 10 *Androgens such as* Calusterone. Dromostanolone Propionate.
 Epitiostanol. Mepitiostane and Testolactone;
Antiadrenals such as Aminoglutethimide. Mitotane and Trilostane;
Antiandrogens such as Flutamide and Nilutamide; and
Antiestrogens such as Tamoxifen and Toremifene.

- 15 **53) Antineoplastic adjuncts including folic acid replenishers such as** Folinic Acid.

- 54) Antiparkinsonian drugs such as** Amantadine. Benserazide.
 Bietanautine. Biperiden. Bromocriptine. Budipine. Carbidopa. Deprenyl.
 Dexetimide. Diethazine. Droxidopa. Ethopropazine. Ethylbenzhydramine.
 20 Levodopa. Naxagolide. Pergolide. Piroheptine. Pridinol. Prodipine.
 Terguride Tigloidine and Trihexyphenidyl Hydrochloride.

- 55) Antipheochromocytoma drugs such as** Metyrosine.
 Phenoxybenzamine and Phentolamine.

56) Antipneumocystis drugs such as Eflornithine. Pentamidine and Sulfamethoxazole.

57) Antiprostatic hypertrophy drugs such as Gestonorone Caproate. Mepartricin. Oxendolone and Proscar®.

5 **58) Antiprotozoal drugs (Leshmania) such as** Antimony Sodium Gluconate. Ethylstibamine. Hydroxystilbamidine. N-Methylglucamine. Pentamidine. Stilbamidine and Urea Stibamine.

59) Antiprotozoal drugs (Trichomonas) such as Acetarzone. Aminitrozole. Anisomycin. Azanidazole. Forminitrazole. Furazolidone.

10 Hachimycin. Lauroguadine. Mepartricin. Metronidazole. Nifuratel. Nifuroxime. Nimorazole. Secnidazole. Silver Picrate. Tenonitrozole and Tinidazole.

60) Antiprotozoal drugs (Trypanosma) such as Benznidazole. Eflornithine. Melarsoprol. Nifurtimox. Oxophenarsine. Hydrochloride.

15 Pentamidine. Propamidine. Puromycin. Quinapyramine. Stilbamidine. Suramin Sodium. Trypan Red and Tryparsamide.

61) Antipuritics such as Camphor. Cyproheptadine. Dichlorisone. Glycine. Halometasone. 3-Hydroxycamphor. Menthol. Mesulphen. Methdilazine. Phenol. Polidocanol. Risocaine. Spirit of Camphor.

20 Thenaldine. Tolpropamine and Trimeprazine.

62) Antipsoriatic drugs such as Acitretin. Ammonium Salicylate. Anthralin. 6-Azauridine. Bergapten(e). Chrysarobin. Etretrate and Pyrogallol.

63) Antipsychotic drugs, including:

Butyrophenones such as Benperidol. Bromperidol. Droperidol. Fluanisone. Haloperidol. Melperone. Moperone. Pipamperone. Spiperone. Timiperone and Trifluoperidol;

- 5 *Phenothiazines such as* Acetophenazine. Butaperazine. Carphenazine. Chlorproethazine. Chlorpromazine. Clospirazine. Cyamemazine. Dixyrazine. Fluphenazine. Imiclopazine. Mepazine. Mesoridazine. Methoxypromazine. Metofenazate. Oxaflumazine. Perazine. Pericyazine. Perimethazine. Perphenazine. Piperacetazine. Pipotiazine.
- 10 Prochlorperazine. Promazine. Sulfuridazine. Thiopropazate. Thioridazine. Trifluoperazine and Triflupromazine;

Thioxanthenes such as Chlorprothixene. Clopenthixol. Flupentixol and Thiothixene;

other tricyclics such as Benzquinamide. Carpipramine. Clocapramine.

- 15 Clomacran. Clothiapine. Clozapine. Opipramol. Prothipendyl. Tetrabenazine and Zotepine; and
- others such as* Alizapride. Amisulpride. Buramate. Fluspirilene. Molindone. Penfluridol. Pimozide. Spirilene and Sulpiride.

64) Antipyretics such as Acetaminophen. Acetaminosalol. Acetanilide.

- 20 Aconine. Aconite. Aconitine. Alclofenac. Aluminum Bis(acetylsalicylate). Aminochlorthenoxazin. Aminopyrine. Aspirin. Benorylate. Benzydamine. Berberine. p-Bromoacetanilide. Bufexamac. Bumadizon. Calcium Acetylsalicylate. Chlorthenoxazin(e). Choline Salicylate. Clidanac.

Dihydroxyaluminum Acetylsalicylate. Dipyroceryl. Dipyrone. Epirizole.
 Etersalate. Imidazole Salicylate. Indomethacin. Isofezolac. p-
 Lactophenetide. Lysine Acetylsalicylate. Magnesium Acetylsalicylate.
 Meclofenamic Acid. Morazone. Morpholine Salicylate. Naproxen.

- 5 Nifenazone. 5'-Nitro-2'propoxyacetanilide. Propoxyacetanilide. Phenacetin.
 Phenicarbazide. Phenocoll. Phenopyrazone. Phenyl Acetylsalicylate.
 Phenyl Salicylate. Pipebuzone. Propacetamol. Propyphenazone.
 Ramifenazone. Salacetamide. Salicylamide O-Acetic Acid. Sodium
 Salicylate. Sulfamipyrine. Tetrandrine and Tinoridine.

10 **65) Antirickettsial drugs such as p-Aminobenzoic Acid.**

Chloramphenicol. Chloramphenicol Palmitate. Chloramphenicol
 Pantothenate and Tetracycline.

**66) Antiseborrheic drugs such as Chloroxine. 3-O-Lauroylpyridoxol
 Diacetate. Piroctone. Pyrithione. Resorcinol. Selenium Sulfides and**

- 15 Tioxolone.

67) Antiseptics, including:

Guanidines such as Alexidine. Ambazone. Chlorhexidine and Picloxydine;

Halogens and halogen compounds such as Bismuth Iodide Oxide.

Bismuth Iodosubgallate. Bismuth Tribromophenate. Bornyl Chloride.

- 20 Calcium Iodate. Chlorinated Lime. Cloflucarban. Fluorosalan. Iodic Acid.
 Iodine. Iodine Monochloride. Iodine Trichloride. Iodoform. Methenamine
 Tetraiodine. Oxychlorosene. Povidone-Iodine. Sodium Hypochlorite.
 Sodium Iodate. Symclosene. Thymol Iodide. Triclocarban. Triclosan and

Troclosene Potassium;

Mercurial compounds such as Hydrargaphen. Meralein Sodium.

Merbromin. Mercuric Chloride. Mercuric Chloride Ammoniated. Mercuric Sodium p-Phenolsulfonate. Mercuric Succinimide. Mercuric Sulfide Red.

- 5 Mercurophen. Mercurous Acetate. Mercurous Chloride. Mercurous Iodide. Nitromersol. Potassium Tetraiodomercurate(II). Potassium

Triiodomercurate(II) Solution. Thimerfonate Sodium and Thimerosal;

Nitrofurans such as Furazolidone. 2-(Methoxymethyl)-5-nitrofuran.

Nidroxyzone. Nifuroxime. Nifurzide and Nitrofurazone;

- 10 *Phenols such as* Acetomerocetol. Bithionol. Cadmium Salicylate. Carvacrol. Chloroxylenol. Clorophene. Creosote. Cresol(s). p-Cresol. Fenticlor. Hexachlorophene. 1-Naphthyl Salicylate. 2-Naphthyl Salicylate. 2,4,6-Tribromo-m-cresol and 3',4',5-Trichlorosalicylanilide;

Quinolines such as Aminoquinuride. Benzoxiquine. Broxyquinoline.

- 15 Chloroxine. Chlorquinaldol. Cloxyquin. Ethylhydrocupreine. Euprocine. Halquinol. Hydrastine. 8-Hydroxyquinoline. 8-Hydroxyquinoline Sulfate and Iodochlorhydroxyquin; and

others such as Aluminum Acetate Solution. Aluminum Subacetate Solution. Aluminum Sulfate. 3-Amino-4-hydroxybutyric Acid. Boric Acid.

- 20 Chlorhexidine. Chloroazodin. m-Cresyl Acetate. Cupric Sulfate. Dibromopropamide. Ichthammol. Negatol®. Noxytiolin. Ornidazole. β -Propiolactone. α -Terpineol.

68) Antispasmodic drugs such as Alibendol. Ambucetamide.

- Aminopromazine. Apoatropine. Bevonium Methyl Sulfate. Bietamiverine.
 Butaverine. Butropium Bromide. N-Butylscopolammonium Bromide.
 Caroverine. Cimetropium Bromide. Cinnamedrine. Clebopride. Coniine
 Hydrobromide. Coniine Hydrochloride. Cyclonium Iodide. Difemerine.
- 5 Diisopromine. Dioxaphetyl Butyrate. Diponium Bromide. Drofenine.
 Emeponium Bromide. Ethaverine. Feclemine. Fenalamide. Fenoverine.
 Fenpiprane. Fenpiverinium Bromide. Fentonium Bromide. Flavoxate.
 Flopropione. Gluconic Acid. Guaiactamine. Hydramitrazine.
 Hymecromone. Leiopyrrole. Mebeverine. Moxaverine. Nafiverine.
- 10 Octamylamine. Octaverine. Pentapiperide. Phenamacide Hydrochloride.
 Phloroglucinol. Pinaverium Bromide. Piperilate. Pipoxolan Hydrochloride.
 Pramiverin. Prifinium Bromide. Properidine. Propivane. Propyromazine.
 Prozapine. Racefemine. Rociverine. Spasmolytol. Stilonium Iodide.
 Sultroponium. Tiemonium Iodide. Tiquizium Bromide. Tiopramide.
- 15 Trepibutone. Tricromyl. Trifolium. Trimebutine. N,N-1Trimethyl-3,3-
 diphenyl-propylamine. Tropenzile. Trospium Chloride and Xenytropium
 Bromide.
- 69) Antithrombotic drugs such as** Anagrelide. Argatroban. Cilostazol.
 Daltroban. Defibrotide. Enoxaparin. Fraxiparine®. Indobufen. Lamoparan.
- 20 Ozagrel. Picotamide. Plafibrade. Tedelparin. Ticlopidine and Triflusal.
- 70) Antitussive drugs such as** Alloclamide. Amicibone. Benproperine.
 Benzonatate. Bibenzonium Bromide. Bromoform. Butamirate.
 Butethamate. Caramiphen Ethanedisulfonate. Carbetapentane.

- Chlophedianol. Clobutinol. Cloperastine. Codeine. Codeine Methyl Bromide. Codeine N-Oxide. Codeine Phosphate. Codeine Sulfate. Cyclexanone. Dextromethorphan. Dibunate Sodium. Dihydrocodeine. Dihydrocodeinone Enol Acetate. Dimemorfan. Dimethoxanate. α, α -
- 5 Diphenyl-2-piperidinepropanol. Dropropizine. Drotebanol. Eprazinone. Ethyl Dibunate. Ethylmorphine. Fominoben. Guaiapate. Hydrocodone. Isoaminile. Levopropoxyphene. Morclofone. Narceine. Normethadone. Noscapine. Oxeladin. Oxolamine. Pholcodine. Picoperine. Pipazethate. Piperidione. Prenoxdiazine Hydrochloride. Racemethorphan. Taziprinone
- 10 Hydrochloride. Tipepidine and Zipeprol.
- 71) Antiulcerative drugs such as** Aceglutamide Aluminum Complex. ϵ -Acetamidocaproic Acid Zinc Salt. Acetoxolone. Arbaprostil. Benexate Hydrochloride. Bismuth Subcitrate Sol (Dried). Carbenoxolone. Cetraxate. Cimetidine. Enprostil. Esaprazole. Famotidine. Ftaxilide. Gefarnate.
- 15 Guaiazulene. Irsogladine. Misoprostol. Nizatidine. Omeprazole. Ornoprostil. γ -Oryzanol. Pifarnine. Pirenzepine. Plaunotol. Ranitidine. Rioprostil. Rosaprostol. Rotraxate. Roxatidine Acetate. Sofalcone. Spizofurone. Sucralfate. Teprenone. Trimoprostil. Trithiozine. Troxipide and Zolimidine.
- 20 **72) Antiurolithic drugs such as** Acetohydroxamic Acid. Allopurinol. Potassium Citrate and Succinimide.
- 73) Antivenin drugs such as** Lyovac® Antivenin.
- 74) Antiviral drugs, including:**

Purines and pyrimidinones such as Acyclovir. Cytarabine.

Dideoxyadenosine. Dideoxycytidine. Dideoxyinosine. Edoxudine.

Floxuridine. Ganciclovir. Idoxuridine. Inosine Pranobex. MADU.

Trifluridine. Vidarabine and Zidovudine; and

5 *others such as Acetylleucine Monoethanolamine. Amantadine.*

Amidinomycin. Cuminaldehyde Thiosemicarbazone. Foscarnet Sodium.

Interferon- α . Interferon- β . Interferon- γ . Kethoxal. Lysozyme. Methisazone.

Moroxydine. Podophyllotoxin. Ribavirin. Rimantadine. Stallimycin.

Statolon. Tromantadine and Xenazoic Acid.

10 **75) Anxiolytic drugs, including:**

Aryl piperazines such as Buspirone. Gepirone and Ipsapirone;

Benzodiazepine derivatives such as Alprazolam. Bromazepam.

Camazepam. Chlordiazepoxide. Clobazam. Clorazepate. Clotiazepam.

Cloxazolam. Diazepam. Ethyl Loflazepate. Etizolam. Fludiazepam.

15 *Flutazolam. Flutoprazepam. Halazepam. Ketazolam. Lorazepam.*

Loxapine. Medazepam. Metaclozepam. Mexazolam. Nordazepam.

Oxazepam. Oxazolam. Pinazepam. Prazepam and Tofisopam;

Carbamates such as Cyclarbamate. Emylcamate. Hydroxyphenamate.

Meprobamate. Phenprobamate and Tybamate; and

20 *others such as Alpidem. Benzoctamine. Captodiamine. Chlormezanone.*

Etifoxine. Fluoresone. Glutamic Acid. Hydroxyzine. Mecloralurea.

Mephenoxalone. Oxanamide. Phenaglycodol. Suriclone.

76) Benzodiazepine antagonists such as Flumazenil.

77) Bronchodilators, including:

Ephedrine derivatives such as Albuterol. Bambuterol. Bitolterol.

Carbuterol. Clenbuterol. Clorprenaline. Dioxethedrine. Ephedrine.

Epinephrine. Eprozinol. Etafedrine. Ethylnorepinephrine. Fenoterol.

- 5 Hexoprenaline. Isoetharine. Isoproterenol. Mabuterol. Metaproterenol. N-Methylephedrine. Pirbuterol. Procaterol. Protokylol. Reproterol. Rimiterol. Soterenol. Terbuterol and Tulobuterol;

Quaternary ammonium compounds such as Bevonium Methyl Sulfate.

Flutropium Bromide. Ipratropium Bromide and Oxitropium Bromide;

- 10 *Xanthine derivatives such as* Acefylline. Acefylline Piperazine. Ambuphylline. Aminophylline. Bamifylline. Choline Theophyllinate. Doxofylline. Dyphylline. Enprofylline. Etamiphyllin. Etofylline. Guaithylline. Proxiphylline. Theobromine. 1-Theobromineacetic Acid and Theophylline; and

- 15 *others such as* Fenspiride. Medibazine. Methoxyphenanime and Tretoquinol.

78) Calcium channel blockers, including:

Arylalkylamines such as Bepridil. Diltiazem. Fendiline. Gallopanil.

Prenylamine. Terodiline and Verapamil;

- 20 *Dihydropyridine derivatives such as* Felodipine. Isradipine. Nicardipine. Nifedipine. Nilvadipine. Nimodipine. Nisoldipine and Nitrendipine;

Piperazine derivatives such as Cinnarizine. Flunarizine and Lidoflazine;

and

others such as Bencyclane. Etafenone and Perhexiline.

79) Calcium regulators such as Calcifediol. Calcitonin. Calcitriol.

Clodronic Acid. Dihydratichysterol. Elcatonin. Etidronic Acid. Ipriflavone.

Pamidronic Acid. Parathyroid Hormone and Teriparatide Acetate.

5 **80) Cardiotonics such as** Acefylline. Acetyldigitoxins. 2-Amino-4-picoline. Amrinone. Benfurodil Hemisuccinate. Bucladesine. Cerberoside. Camphotamide. Convallatoxin. Cymarine. Denopamine. Deslanoside. Digitalin. Digitalis. Digitoxin. Digoxin. Dobutamine. Dopamine.

Dopexamine. Enoximone. Erythrophleine. Fenalcomine. Gitalin. Gitoxin.

10 Glycocyamine. Heptaminol. Hydrastinine. Ibopamine. Lanatosides. Metamivam. Milrinone. Neriifolin. Oleandrin. Ouabain. Oxyfedrine. Prenalterol. Proscillaridin. Resibufogenin. Scillaren. Scillarenin. Strophanthin. Sulmazole. Theobromine and Xamoterol.

81) Chelating agents such as Deferoxamine. Ditiocarb Sodium.

15 Edetate Calcium Disodium. Edetate Disodium. Edetate Sodium. Edetate Trisodium. Penicillamine. Pentetate Calcium Trisodium. Pentetic Acid. Succimer and Trientine.

82) Cholecystokinine antagonists such as Proglumide.

83) Cholelitholytic agents such as Chenodiol. Methyl tert-Butyl Ether.

20 Monoctanoine and Ursodiol.

84) Choleretics such as Alibendol. Anethole Trithion. Azintamide.

Cholic Acid. Cicrotoic Acid. Clanobutin. Cyclobutyrol. Cyclovalone.

Cynarin(e). Dehydrocholic Acid. Deoxycholic Acid. Dimecrotic Acid. α -

Ethylbenzyl Alcohol. Exiproben. Feguprol. Fencibutirol. Fenipentol.
 Florantyrone. Hymecromone. Menbutone. 3-(o-Methoxyphenyl)-2-
 phenylacrylic Acid. Metochalcone. Moquizone. Osalmid. Ox Bile Extract.
 4,4'-Oxydi-2-butanol. Piprozolin. Prozapine. 4-Salicyloylmorpholine.

- 5 Sincalide. Taurocholic Acid. Timonacic. Tocamphyl. Trepibutone and
 Vanitiolide.

85) Cholinergic agents such as Aceclidine. Acetylcholine Bromide.
 Acetylcholine Chloride. Aclatonium Napadisilate. Benzpyrinium Bromide.
 Bethanechol Chloride. Carbachol. Carpronium Chloride. Demecarium
 10 Bromide. Dexpanthenol. Diisopropyl Paraaxon. Echothiophate Iodide.
 Edrophonium Chloride. Eseridine. Furtrethonium. Isoflurophate.
 Methacholine Chloride. Muscarine. Neostigmine. Oxapropanium Iodide.
 Physostigmine and Pyridostigmine Bromide.

86) Cholinesterase inhibitors such as Ambenonium Chloride.

- 15 Distigmine Bromide and Galanthamine.

87) Cholinesterase reactivators such as Obidoxime Chloride and
 Pralidoxime Chloride.

88) Central nervous system stimulants and agents such as

- Amineptine. Amphetamine. Amphetaminil. Bemegride. Benzphetamine.
 20 Brucine. Caffeine. Chlorphentermine. Clofenciclan. Clortermine. Coca.
 Demanyl Phosphate. Dexoxadrol. Dextroamphetamine Sulfate.
 Diethylpropion. N-Ethylamphetamine. Ethamivan. Etifelmin. Etryptamine.
 Fencamfamine. Fenethylamine. Fenozolone. Flurothyl. Hexacyclonate

Sodium. Homocamfin. Mazindol. Mefexamide. Methamphetamine.
Methylphenidate. Nikethamide. Pemoline. Pentylenetetrazole.
Phendimetrazine. Phenmetrazine. Phentermine. Picrotoxin. Pipradrol.
Prolintane and Pyrovalerone.

- 5 **89) Decongestants such as** Amidephrine. Cafaminol. Cyclopentamine.
Ephedrine. Epinephrine. Fenoxazoline. Indanazoline. Metizoline.
Naphazoline. Nordefrin Hydrochloride. Octodrine. Oxymetazoline.
Phenylephrine Hydrochloride. Phenylpropanolamine Hydrochloride.
Phenylpropylmethylamine. Propylhexedrine. Pseudoephedrine.

- 10 **Tetrahydrozoline. Tymazoline and Xylometazoline.**

90) Dental caries prophylaxis such as Sodium Fluoride.

91) Depigmentors such as Hydroquinine. Hydroquinone and
Monobenzene.

92) Diuretics, including:

- 15 *Organomercurials such as* Chlormerodrin. Meralluride. Mercamphamide.
Mercaptomerin Sodium. Mercumallylic Acid. Mercumatilin Sodium.
Mercurous Chloride and Mersaly;
Pteridines such as Furterene and Triamterene;
Purines such as Acefylline. 7-Morpholinomethyltheophylline. Pamabrom.
20 *Protheobromine and Theobromine;*
Steroids such as Canrenone. Oleandrin and Spironolactone;
Sulfonamide derivatives such as Acetazolamide. Ambuside. Azosemide.
Bumetanide. Butazolamide. Chloraminophenamide. Clofenamide.

Cloпамide. Clorexolone. Diphenylmethane-4,4'-disulfonamide.

Disulfamide. Ethoxzolamide. Furosemide. Indapamide. Mefruside.

Methazolamide. Piretanide. Quinethazone. Torasemide. Triпамide and Xipamide;

5 *Uracils such as Aminometradine and Amisometradine;*

others such as Amanozine. Amiloride. Arbutin. Chlorazani. Ethacrynic

Acid. Etosolin. Hydracarbazine. Isosorbide. Mannitol. Metochalcone.

Muzolimine. Perhexiline. Ticrynafen and Urea.

93) Dopamine receptor agonists such as Bromocriptine. Dopexamine.

10 Fenoldopam. Ibopamine. Lisuride. Naxagolide and Pergolide.

94) Ectoparasitocides such as Amitraz. Benzyl Benzoate. Carbaryl.

Crotamiton. DDT. Dixanthogen. Isobornyl Thiocynoacetate-Technical.

Lime Sulfurated Solution. Lindane. Malathion. Mercuric Oleate. Mesulphen and Sulphur-Pharmaceutical.

15 **95) Enzymes, including:**

Digestive enzymes such as α -Amylase (Swine Pancreas). Lipase.

Pancrelipase. Pepsin and Rennin;

Mucolytic enzymes such as Lysozyme;

Penicillin inactivating enzymes such as Penicillinase; and

20 *Proteolytic enzymes such as Collagenase. Chymopapain. Chymotrypsins.*

Papain and Trypsin.

96) Enzyme inducers (hepatic) such as Flumecinol.

97) Estrogens, including:

Nonsteroidal estrogens such as Benzestrol. Boparoestrol.

Chlorotrianisene. Dienestrol. Diethylstilbestrol. Diethylstilbestrol

Dipropionate. Dimestrol. Fosfestrol. Hexestrol. Methallenestril and
Methestrol; and

- 5 *Steroidal estrogens such as* Colpormon. Conjugated Estrogenic
Hormones. Equilenin. Equilin. Estradiol. Estradiol Benzoate. Estradiol 17 β -
Cypionate. Estriol. Estrone. Ethinyl Estradiol. Mestranol. Moxestrol.
Mytatrienediol. Quinestradiol and Quinestrol.

98) Gastric secretion inhibitors such as Enterogastrone and

- 10 Octreotide.

99) Glucocorticoids such as 21-Acetoxypregnenolone. Alclometasone.
Algestone. Amcinonide. Beclomethasone. Betamethasone. Budesonide.
Chloroprednisone. Clobetasol. Clobetasone. Clocortolone. Cloprednol.
Corticosterone. Cortisone. Cortivazol. Deflazacort. Desonide.

- 15 Desoximetasone. Dexamethasone. Diflorasone. Difluocortolone.
Difluprednate. Enoxolone. Fluazacort. Flucloronide. Flumethasone.
Flunisolide. Fluocinolone Acetonide. Fluocinonide. Fluocortin Butyl.
Fluocortolone. Fluorometholone. Fluperolone Acetate. Fluprednidene
Acetate. Fluprednisolone. Flurandrenolide. Formocortal. Halcinonide.
- 20 Halometasone. Halopredone Acetate. Hydrocortamate. Hydrocortisone.
Hydrocortisone Acetate. Hydrocortisone Phosphate. Hydrocortisone 21-
Sodium Succinate. Hydrocortisone Tebutate. Mazipredone. Medrysone.
Meprednisone. Methylprednisolone. Mometasone Furoate.

- Paramethasone. Prednicarbate. Prednisolone. Prednisolone 21-Diethylaminoacetate. Prednisone Sodium Phosphate. Prednisolone Sodium Succinate. Prednisolone Sodium 21-m-Sulfobenzoate. Prednisolone 21-Stearoylglycolate. Prednisolone Tebutate. Prednisolone
- 5 21-Trimethylacetate. Prednisone. Prednival. Prednylidene. Prednylidene 21-Diethylaminoacetate. Tixocortal. Triamcinolone. Triamcinolone Acetonide. Triamcinolone Benetonide and Triamcinolone Hexacetonide.
- 100) Gonad-Stimulating principles such as** Buserelin. Clomiphene. Cyclofenil. Epimestrol. FSH. HCG and LH-RH.
- 10 **101) Gonadotropic hormones such as** LH and PMSG.
- 102) Growth hormone inhibitors such as** Octreotide and Somatostatin.
- 103) Growth hormone releasing factors such as** Semorelin.
- 104) Growth stimulants such as** Somatotropin.
- 105) Hemolytic agents such as** Phenylhydrazine and Phenylhydrazine
- 15 Hydrochloride.
- 106) Heparin antagonists such as** Hexadimethrine Bromide and Protamines.
- 107) Hepatoprotectants such as** S-Adenosylmethionine. Betaine. Catechin. Citolone. Malotilate. Orazamide. Phosphorylcholine.
- 20 **108) Immunomodulators such as** Amiprilose. Bucillamine. Ditiocarb Sodium. Inosine Pranobex. Interferon- γ . Interleukin-2. Lentinan. Muroctasin. Platonin. Procodazole. Tetramisole. Thymomodulin.

Thymopentin and Ubenimex.

109) Immunosuppressants such as Azathioprine. Cyclosporins and Mizoribine.

110) Ion exchange resins such as Carbacrylic Resins. Cholestyramine
5 Resin. Colestipol. Polidexide. Resodex and Sodium Polystyrene Sulfonate.

111) Lactation stimulating hormone such as Prolactin.

112) LH-RH agonists such as Buserelin. Goserelin. Leuprolide. Nafarelin and Triptorelin.

113) Lipotropic agents such as N-Acetylmethionine. Choline Chloride.
10 Choline Dehydrocholate. Choline Dihydrogen Citrate. Inositol. Lecithin and Methionine.

114) Lupus erythematosus suppressants such as Bismuth Sodium Triglycollamate. Bismuth Subsalicylate. Chloroquine and Hydroxychloroquine.

15 **115) Mineralcorticoids such as** Aldosterone. Deoxycorticosterone. Deoxycorticosterone Acetate and Fludrocortisone.

116) Miotic drugs such as Carbachol. Physostigmine. Pilocarpine and Pilocarpus.

117) Monoamine oxidase inhibitors such as Deprenyl. Iproclozide.
20 Iproniazid. Isocarboxazid. Moclobemide. Octamoxin. Pargyline. Phenelzine. Phenoxypropazine. Pivalylbenzhydrazine. Prodiptine. Toloxatone and Tranylcypromine.

118) Mucolytic agents such as Acetylcysteine. Bromhexine.

Carbocysteine. Domiodol. Letosteine. Lysozyme. Mecysteine

Hydrochloride. Mesna. Sobrerol. Stepronin. Tiopronin and Tyloxapol.

119) Muscle relaxants (skeletal) such as Afloqualone. Alcuronium.

- 5 Atracurium Besylate. Baclofen. Benzoctamine. Benzoquinonium Chloride.
C-Calebassine. Carisoprodol. Chlormezanone. Chlorphenesin Carbamate.
Chlorproethazine. Chlorzoxazone. Curare. Cyclobarbitate.
Cyclobenzaprine. Dantrolene. Decamethonium Bromide. Diazepam.
Eperisone. Fazadinium Bromide. Flumetramide. Gallamine Triethiodide.
- 10 Hexacarbacholine Bromide. Hexafluorenum Bromide. Idrocilamide.
Laudexium Methyl Sulfate. Leptodactylone. Memantine. Mephenesin.
Mephenoxalone. Metaxalone. Methocarbamol. Metocurine Iodide.
Nimetazepam. Orphenadrine. Pancuronium Bromide. Phenprobamate.
Phenylhydrazide. Pipocurium Bromide. Promoxolane. Quinine Sulfate.
- 15 Styramate. Succinylcholine Bromide. Succinylcholine Chloride.
Succinylcholine Iodine. Suxethonium Bromide. Tetrazepam.
Thiocolchicoside. Tizanidine. Tolperisone. Tubocurarine Chloride.
Vecuronium Bromide and Zoxazolamine.

120) Narcotic antagonists such as Amiphenazole. Cyclazocine.

- 20 Levallorphan. Nadide. Nalmefene. Nalorphine. Nalorphine Dinicotinate.
Naloxone and Naltrexone.

121) Neuroprotective agents such as Dizocilpine.

122) Nootropic agents such as Aceglutamide. Acetylcarnitine.

Aniracetam. Bifemelane. Exifone. Fipexide. Idebenone. Indeloxazine

Hydrochloride. Nizofenone. Oxiracetam. Piracetam. Propentofylline.

Pyritinol and Tacrine.

5 **123) Ophthalmic agents such as** 15-ketoprostaglandins.

124) Ovarian hormone such as Relaxin.

125) Oxytocic drugs such as Carboprost. Cargutocin. Deaminooxytocin.

Ergonovine. Gemeprost. Methylergonovine. Oxytocin. Pituitary (Posterior).

Prostaglandin E₂. Prostaglandin F₂ α and Sparteine.

10 **126) Pepsin inhibitors such as** Sodium Amylosulfate.

127) Peristaltic stimulants such as Cisapride.

128) Progestogens such as Allylestrenol. Anagestone. Chlormadinone

Acetate. Delmadinone Acetate. Demegestone. Desogestrel.

Dimethisterone. Dydrogesterone. Ethisterone. Ethynodiol. Flurogestone

15 Acetate. Gestodene. Gestonorone Caproate. Haloprogesterone. 17-

Hydroxy-16-methylene-progesterone. 17 α -Hydroxyprogesterone. 17 α -

Hydroxyprogesterone Caproate. Lynestrenol. Medrogestone.

Medroxyprogesterone. Megestrol Acetate. Melengestrol. Norethindrone.

Norethynodrel. Norgesterone. Norgestimate. Norgestrel. Norgestrienone.

20 Norvinisterone. Pentagestrone. Progesterone. Promegestone.

Quingestron and Trengestone.

129) Prolactin inhibitors such as Metergoline.

130) Prostaglandins and prostaglandin analogs such as Arbaprostil.

Carboprost. Enprostil. Gemeprost. Limaprost. Misoprostol. Ornoprostil.

Prostacyclin. Prostaglandin E₁. Prostaglandin E₂. Prostaglandin F₂α.

Rioprostil. Rosaprostol. Sulprostone and Trimoprostil.

- 5 **131) Protease inhibitors such as** Aprotinin. Camostat. Gabexate and Nafamostat.

132) Respiratory stimulants such as Almitrine. Bemegride. Carbon

Dioxide. Cropropamide. Crotethamide. Dimeflin. Dimorpholamine.

Doxapram. Ethamivam. Fominoben. Lobeline. Mepixanox. Metamivam.

- 10 Nikethamide. Picrotoxin. Pimeclone. Pyridofylline. Sodium Succinate and Tacrine.

133) Sclerosing agents such as Ethanolamine. Ethylamine. 2-

Hexyldecanoic Acid. Polidocanol. Quinine Bisulfate. Quinine Urea

Hydrochloride. Sodium Ricinoleate. Sodium Tetradecyl Sulfate and

- 15 Tribenoside.

134) Sedatives and hypnotics, including:

Acyclic ureides such as Acecarbromal. Apronalide. Bomisovalum.

Capuride. Carbromal and Ectylurea;

Alcohols such as Chlorhexadol. Ethchlorvynol. Meparfynol. 4-Methyl-5-

- 20 thiazoleethanol. tert-Pentyl Alcohol and 2,2,2-Trichloroethanol;

Amides such as Butoctamide. Diethylbromoacetamide. Ibrotamide.

Isovaleryl Diethylamide. Niaprazine. Tricetamide. Trimetozine. Zolpidem and Zopiclone;

- Barbituric acid derivatives such as* Allobarbital. Amobarbital. Aprobarbital. Barbital. Brallobarbital. Butabarbital Sodium. Butalbital. Butallylonal. Butethal. Carbubarb. Cyclobarbital. Cyclopentobarbital. Enallypropymal. 5-Ehtyl-5-(1-piperidyl) barbituric Acid. 5-Furfuryl-5-isopropylbarbituric Acid.
- 5 Heptabarbital. Hexethal Sodium. Hexobarbital. Mephobarbital. Methitural. Narcobarbital. Nealbarbital. Pentobarbital Sodium. Phenallymal. Phenobarbital. Phenobarbital Sodium. Phenylmethylbarbituric Acid. Probarbital. Propallylonal. Proxibarbal. Reposal. Secobarbitol Sodium. Talbutal. Tetrabarbital. Vinbarbitol Sodium and Vinylbital;
- 10 *Benzodiazepine derivatives such as* Brotizolam. Doxefazepam. Estazolam. Flunitrazepam. Flurazepam. Haloxazolam. Loprazolam. Lormetazepam. Nitrazepam. Quazepam. Temazepam and Triazolam;
- Bromides such as* Ammonium Bromide. Calcium Bromide. Calcium Bromolactobionate. Lithium Bromide. Magnesium Bromide. Potassium Bromide and Sodium Bromide;
- 15 *Carbamates such as* Amyl Carbamate-Tertiary. Ethinamate. Hexapropymate. Meparfynol Carbamate. Novonal and Trichlorourethan;
- Chloral derivatives such as* Carbocloral. Chloral Betaine. Chloral Formamide. Chloral Hydrate. Chloralantipyrine. Dichloralphenazone.
- 20 Pentaerythritol Chloral and Triclofos;
- Piperidinediones such as* Glutethimide. Methypylon. Piperidione. Pyrithyldione. Taglutimide and Thalidomide;

Quinazolone derivatives such as Etaqualone. Mecloqualone and Methaqualone; and

others such as Acetal. Acetophenone. Aldol. Ammonium Valerate. Amphenidone. d-Bornyl α -Bromoisovalerate. d-Bornyl Isovalerate.

- 5 Bromoform. Calcium 2-Ethylbutanoate. Carfinat. α -Chloralose. Clomethiazole. Cyprripedium. Doxylamine. Etodroxizine. Etomidate. Fenadiazole. Homofenazine. Hydrobromic Acid. Meclozamine. Menthyl Valerate. Opium. Paraldehyde. Perlapine. Propiomazine. Rilmazafone. Sodium Oxybate. Sulfonethylmethane and Sulfonmethane.

- 10 **135) Thrombolytic agents such as** APSAC. Plasmin. Pro-Urokinase. Streptokinase. Tissue Plasminogen Activator and Urokinase.

136) Thyrotropic hormones such as TRH and TSH.

137) Uricosurics such as Benzbromarone. Ethebenecid. Orotic Acid. Oxycinchophen. Probenecid. Sulfipyrazone. Ticrynafen and

- 15 Zoxazolamine.

138) Vasodilators (cerebral) such as Bencyclane. Cinnarizine.

Citicoline. Cyclandelate. Ciclonicate. Diisopropylamine Dichloroacetate.

Eburnamonine. Fenoxedil. Flunarizine. Ibudilast. Ifenprodil. Nafronyl.

Nicametate. Nicergoline. Nimodipine. Papaverine. Pentifylline. Tinofedrine.

- 20 Vincamine. Vinpocetine and Viquidil.

139) Vasodilators (coronary) such as Amotriphene. Bendazol.

Benfurodil Hemisuccinate. Benziodarone. Chloracizine. Chromonar.

Clobenfurol. Clonitrate. Dilazep. Dipyridamole. Droprenilamine. Efloxate.

Erythritol. Erythryl Tetranitrate. Etafenone. Fendiline. Floredil.
 Ganglefene. Hexestrol Bis(β -diethylaminoethyl ether). Hexobendine.
 Itramin Tosylate. Khellin. Lidoflazine. Mannitol Hexanitate. Medibazine.
 Nicorandil. Nitroglycerin. Pentaerythritol Tetranitrate. Pentrinitrol.
 5 Perhexiline. Pimefylline. Prenylamine. Propatyl Nitrate. Pyridofylline.
 Trepidil. Tricromyl. Trimetazidine. Trolnitrate Phosphate and Visnadine.

140) Vasodilators (peripheral) such as Aluminum Nicotinate. Bamethan.
 Bencyclane. Betahistine. Bradykinin. Brovincamine. Bufoniode. Buflomedil.
 Butalamine. Cetiedil. Ciclonicate. Cinepazide. Cinnarizine. Cyclandelate.
 10 Diisopropylamine Dichloracetate. Eledoisin. Fenoxedil. Flunarizine.
 Hepronicate. Ifenprodil. Inositol Niacinate. Isoxsuprine. Kallidin. Kallikrein.
 Moxisylyte. Nafronyl. Nicametate. Nicergoline. Nicofuranose. Nicotiny
 Alcohol. Nylidrin. Pentifylline. Pentoxifylline. Piribedil. Prostaglandin E₁.
 Suloctidil and Xanthinol Niacinate.

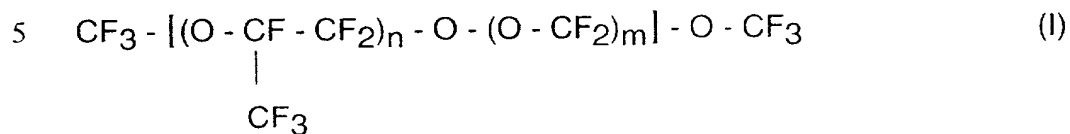
15 **141) Vasoprotectants such as** Benzarone. Bioflavonoids. Chromocarb.
 Clobenoside. Diosmin. Dobesilate Calcium. Escin. Folescutol.
 Leucocyanidin. Metescufylline. Quercetin. Rutin and Troxerutin.

142) Vitamins, vitamin sources and vitamin extracts such as Vitamins
 A, B, C, D, E and K and derivatives thereof. Calciferols. Glycyrrhiza and
 20 Mecobalamin.

143) Vulnerary agents such as Acetylcysteine. Allantoin. Asiaticoside.
 Cadexomer Iodine. Chitin. Dextranomer and Oxaceprol.

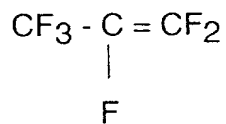
The use referred to herein increases percutaneous absorption of drugs by over 5 times their normal capacity.

Finally, the invention also regards the compounds belonging to the Perfluoropolyester class of formula I



with n and m > 18 and < 46 and with molecular weights between ~600 and ~8000, especially those with n and m > 24 and < 36 with molecular

- 10 weights between 1000 and 4000, obtained by polymerization of hexafluoropropene

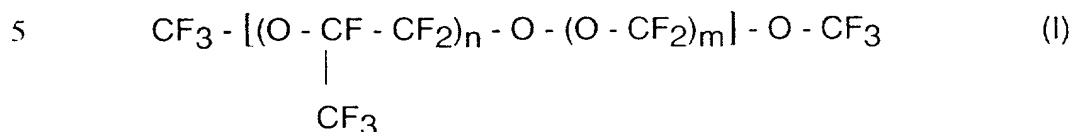


- 15 with UV activated oxygen.

CLAIMS

1. Pharmaceutical compositions, characterized by the fact that they contain, apart from one or more active ingredient(s),

- between 0.01 and 60% w/w of the compounds of formula I



with n and m > 18 and < 46 and with molecular weights between

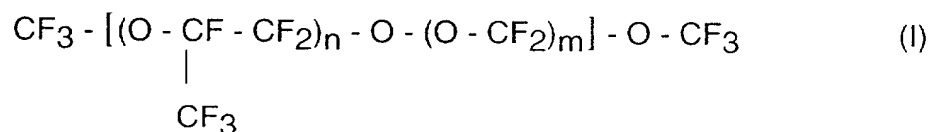
~600 and ~8000, as compounds with activity for the enhancement of active ingredient absorption.

2. Pharmaceutical compositions according to claim 1, characterized by the fact that they also contain between 0.01 and 20% w/w of Phosphatidylcholine.

3. Pharmaceutical compositions according to claims 1 or 2 with 0.1 to 30% w/w of the compounds of formula I with n and m > 24 and < 36 and with molecular weights between 1000 and 4000 and with 0.1 to 10% w/w of Phosphatidylcholine.

4. Pharmaceutical compositions according to claims 1 to 3, containing other compatible ingredients and being present in the form of creams, emulsions, ointments, lotions, foams, gels, aspersion powders and transdermal formulations.

5. Use of the compounds of formula I



5

with n and m > 18 and < 46, preferably > 24 and < 36, and with molecular weights between ~600 and ~8000, preferably between 1000 and 4000, in pharmaceutical compositions for topical external or internal use for the enhancement of absorption of active ingredients through the derma, cutis, mucosa, rectum, vagina and urethra.

10

6. Use according to claim 5, characterized by the fact that the compounds of formula I are used in association with Phosphatidylcholine.

15

7. Use according to claims 5 or 6, with the active ingredients used preferably having anabolic, analgesic, androgenic, anesthetic, anorectic, anthelmintic, antiallergic, antiamebic, antiandrogenic, antianginal, antiarrhythmic, antiarteriosclerotic, antiarthritic and antirheumatic, antibacterial, anticholinergic, anticonvulsant, antidepressant, antidiabetic, antidiarrheal, antidiuretic, antiestrogenic, antibiotic, antiglaucoma, antigonatropic, antihistaminic, antihyperlipoproteinemic, antihyperthyroid, antihypertensive, anti-

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inflammatory, antimalarial, antimigraine, antinauseant, antineoplastic, antiparkinsonian, antiprotozoal, antipruritic, antipsoriatic, antipsychotic, antipyretic, antiseptic, antispasmodic, antithrombotic, antitussive, antiulcer, antiviral, anxiolytic, bronchodilator, CA-blocking or regulating, cardiotonic, stimulating, decongestant, diuretic or enzymatic effect.

8. Use according to claim 7, characterized by the fact that the drugs are Troxerutine and Nimesulide and, also

10 **1) α -Adrenergic agonists such as** Adrafinil. Adrenolone.

Amidephrine. Apraclonidine. Budralazine. Clonidine.

Cyclopentamine. Detomidine. Dimetofrine. Dipivefrin. Ephedrine.

Epinephrine. Fenoxazoline. Guanabenz. Guanfacine.

Hydroxyamphetamine. Ibopamine. Indanazoline. Isometheptene.

15 Mephentermine. Metaraminol. Methoxamine Hydrochloride.

Methylhexaneamine. Metizolene. Midodrine. Naphazoline.

Norepinephrine. Norfenefrine. Octodrine. Octopamine.

Oxymetazoline. Phenylephrine Hydrochloride. Phenylpropanolamine

Hydrochloride. Phenylpropylmethylamine. Pholedrine.

20 Propylhexedrine. Pseudoephedrine. Rilmenidine. Synephrine.

Tetrahydrozoline. Tiamenidine. Tramazoline. Tuaminoheptane.

Tymazoline. Tyramine and Xylometazoline.

2) β -Adrenergic agonists such as Albuterol. Bambuterol.

Bitolterol. Carbuterol. Clenbuterol. Clorprenaline. Denopamine.
 Dioxethedrine. Dopexamine. Ephedrine. Epinephrine. Etafedrine.
 Ethylnorepinephrine. Fenoterol. Formoterol. Hexoprenaline.
 Ibopamine. Isoetharine. Isoproterenol. Mabuterol. Metaproterenol.
 5 Methoxyphenamine. Oxyfedrine. Pirbuterol. Prenalterol. Procaterol.
 Protokylol. Reproterol. Rimiterol. Ritodrine. Soterenol. Terbuterol and
 Xamoterol.

3) α -Adrenergic blockers such as Amosulalol. Arotinolol.
 Dapiprazole. Doxazosin. Ergoloid Mesylates. Fenspiride. Indoramin.
 10 Labetalol. Nicergoline. Prazosin. Terazosin. Tolazoline. Trimazosin
 and Yohimbine.

4) β -Adrenergic blockers such as Acebutolol. Alprenolol.
 Amosulalol. Arotinolol. Atenolol. Befunolol. Betaxolol. Bevantolol.
 Bisoprolol. Bopindolol. Bucumolol. Bufetolol. Bufuralol. Bunitrolol.
 15 Bupranolol. Butidine Hydrochloride. Butofilolol. Carazolol. Carteolol.
 Carvedilol. Celiprolol. Cetamolol. Cloranolol. Dilevalol. Epanolol.
 Esmolol. Indenolol. Labetalol. Levobunolol. Mepindolol. Metipranolol.
 Metoprolol. Moprolol. Nadoxolol. Nifenalol. Nipradilol. Oxprenolol.
 Penbutolol. Pindolol. Practolol. Pronethalol. Propranolol. Sotalol.
 20 Sulfinalol. Talinolol. Tertatolol. Timolol. Toliprolol and Xibenolol.

5) Alcohol deterrents such as Calcium Cyanamide Citrated.
 Disulfiram. Nadide and Nitrefazole.

6) Aldose reductase inhibitors such as Epalrestat. Ponalrestat.

Sorbinil and Tolrestat.

7) Anabolics such as Androisoxazole. Androstenediol. Bolandiol. Bolasterone. Clostebol. Ethylestrenol. Formyldienolone. 4-Hydroxy-19-nortestosterone. Methandriol. Methenolone. Methyltrienolone. Nandrolone. Nandrolone Decanoate. Nandrolone p-Hexyloxyphenylpropionate. Nandrolone Phenpropionate. Norbolethone. Oxymesterone. Pizotyline. Quinbolone. Stenbolone and Trenbolone.

8) Analgesics (dental) such as Chlorobutanol. Clove and Eugenol.

9) Analgesics (narcotic) such as Alfentanil. Allylprodine. Alphaprodine. Anileridine. Benzylmorphine. Bezitramide. Buprenorphine. Butorphanol. Clonitazene. Codeine. Codeine Methyl Bromide. Codeine Phosphate. Codeine Sulfate. Desomorphine. Dextromoramide. Dezocine. Diampromide. Dihydrocodeine. Dihydrocodeinone Enol Acetate. Dihydromorphine. Dimenoxadol. Dimepheptanol. Dimethylthiambutene. Dioxaphetyl Butyrate. Dipipanone. Eptazocine. Ethoheptazine. Ethylmethylthiambutene. Ethylmorphine. Etonitazene. Fentanyl. Hydrocodone. Hydromorphone. Hydroxypethidine. Isomethadone. Ketobemidone. Levorphanol. Lofentanil. Meperidine. Meptazinol. Metazocine. Methadone Hydrochloride. Metopon. Morphine. Morphine Derivatives. Myrophine. Nalbuphine. Narceine. Nicomorphine.

Norlevorphanol. Normethadone. Normorphine. Norpipanone. Opium.
 Oxycodone. Oxymorphone. Papaveretum. Pentazocine.
 Phenadoxone. Phenazocine. Phenoperidine. Piminodine. Piritramide.
 Proheptazine. Promedol. Properidine. Propiram. Propoxyphene.
 5 Sufentanil and Tilidine.

10) Analgesics (non-narcotic) such as Acetaminophen.

Acetaminosalol. Acetanilide. Acetylsalicylsalicylic Acid. Alclofenac.
 Alminoprofen. Aloxiprin. Aluminum Bis (acetylsalicylate).
 Aminochlorthenoxazin. 2-Amino-4-picoline. Aminopropylon.
 10 Aminopyrine. Ammonium Salicylate. Antipyrine. Antipyrine Salicylate.
 Antrafenine. Apazone. Aspirin. Benorylate. Benoxaprofen.
 Benzpiperylon. Benzydamine. p-Bromoacetanilide. 5-Bromosalicylic
 Acid Acetate. Bucetin. Bufexamac. Bumadizon. Butacetin. Calcium
 Acetylsalicylate. Carbamazepine. Carbetidine. Carbiphene.
 15 Carsalam. Chloralantipyrine. Chlorthenoxazin(e). Choline Salicylate.
 Cinchophen. Ciramadol. Clometacin. Cropropamide. Crotethamide.
 Dexoadrol. Difenamizole. Diflunisal. Dihydroxyaluminum
 Acetylsalicylate. Dipyrrocetyl. Dipyrone. Emorfazone. Enfenamic Acid.
 Epirizole. Etersalate. Ethenzamide. Ethoxazene. Etodolac. Felbinac.
 20 Fenoprofen. Floctafenine. Flufenamic Acid. Fluoresone. Flupirtine.
 Fluproquazone. Flurbiprofen. Fosfosal. Gentisic Acid. Glafenine.
 Ibufenac. Imidazole Salicylate. Indomethacin. Indoprofen. Isofezolac.
 Isoladol. Isonixin. Ketoprofen. Ketorolac. p-Lactophenetide.

- Lefetamine. Loxoprofen. Lysine Acetylsalicylate. Magnesium Acetylsalicylate. Methotrimeprazine. Metofoline. Mioprofen. Morazone. Morpholine Salicylate. Naproxen. Nefopam. Nifenazone. 5'Nitro-2'propoxyacetanilide. Parsalmide. Perisoxal. Phenacetin.
- 5 Phenazopyridine Hydrochloride. Phenocoll. Phenopyrazone. Phenyl Acetylsalicylate. Phenyl Salicylate. Phenylramidol. Pipebuzone. Piperylone. Prodilidine. Propacetamol. Propyphenazone. Proxazole. Quinine Salicylate. Ramifenazone. Rimazolium Metilsulfate. Salacetamide. Salicin. Salicylamide. Salicylamide O-Acetic Acid.
- 10 Salicylsulfuric Acid. Salsalate. Salverine. Simetride. Sodium Salicylate. Sulfamipyrine. Suprofen. Talniflumate. Tenoxicam. Terofenamate. Tetradrine. Tinoridine. Tolfenamic Acid. Tolpronine. Tramadol. Viminol. Xenbucin and Zomepirac.

11) Androgens such as Boldenone. Fluoxymesterone.

- 15 Mestanolone. Mesterolone. Methandrostenolone. 17-Methyltestosterone. Methyltestosterone. 17 α -Methyltestosterone 3-Cyclopentyl Enol Ether. Norethandrolone. Normethandrone. Oxandrolone. Oxymesterone. Oxymetholone. Prasterone. Stanolone. Stanozolol. Testosterone. Testosterone 17-Chloral Hemiacetal.
- 20 Testosterone 17 β -Cypionate. Testosterone Enanthate. Testosterone Nicotinate. Testosterone Phenyl Acetate. Testosterone Propionate and Tiomesterone.

12) Anesthetics (intravenous) such as Acetamidoeugenol.

- Alfadolone Acetate. Alfaxalone. Ambucaine. Amolanone. Amylocaine Hydrochloride. Benoxinate. Betoxycaïne. Biphenamine. Bupivacaine. Butacaine. Butamben. Butanilicaine. Butethamine. Buthalital Sodium. Butoxycaïne. Carticaine. 2-Chloroprocaine Hydrochloride.
- 5 Cocaethylene. Cocaine. Cyclomethycaine. Dibucaine Hydrochloride. Dimethisoquin. Dimethocaine. Dipiperodon Hydrochloride. Dyclonine. Ecgonidine. Ecgonine. Ethyl Aminobenzoate. Ethyl Chloride. Etidocaine. Etoxadol. β -Eucaine. Euprocine. Fenalcomine. Fomocaine. Hexobarbital. Hexylcaine Hydrochloride. Hydroxydione
- 10 Sodium. Hydroxyprocaine. Hydroxytetracaine. Isobutyl p-Aminobenzoate. Kentamine. Leucinocaine Mesylate. Levoxadol. Lidocaine. Mepivacaine. Meprylcaine Hydrochloride. Metabutoxycaïne Hydrochloride. Methohexital Sodium. Methyl Chloride. Midazolam. Myrtecaine. Naepaine. Octacaine. Orthocaine.
- 15 Oxethazaine. Parethoxycaïne. Phenacaine Hydrochloride. Phencyclidine. Phenol. Piperocaine. Piridocaine. Polidocanol. Pramoxine. Prilocaine. Procaine. Propanidid. Propanocaine. Proparacaine. Propipocaine. Propofol. Propoxycaïne Hydrochloride. Pseudococaine. Pyrrocaine. Quinine Urea Hydrochloride. Risocaine.
- 20 Salicyl Alcohol. Tetracaine Hydrochloride. Thialbarbital. Thimylal. Thiobutabarbital. Thiopental Sodium. Tolycaïne. Trimecaine and Zolamine.

13) Anorectics such as Aminorex. Amphecloral. Amphetamine.

Benzphetamine. Chlorphentermine. Clobenzorex. Cloforex.

Clortermine. Cyclexedrine. Dextroamphetamine Sulfate.

Diethylpropion. Diphemethoxidine. N-Ethylamphetamine.

Fenbutrazate. Fenfluramine. Fenproporex.

5 Furfurylmethylamphetamine. Levophacetopate. Mazindol.

Mefenorex. Metamfepramone. Methamphetamine.

Norpseudoephedrine. Phendimetrazine. Phenmetrazine.

Phenphetamine. Phenylpropanolamine Hydrochloride and Picilorex.

14) Anthelmintics (Cestodes) such as Arecoline. Aspidin.

10 Aspidinol. Dichlorophen(e). Embelin. Kosin. Naphthalene.

Niclosamide. Pellertierine. Pellertierine Tannate and Quinacrine.

15) Anthelmintics (Nematodes) such as Alantolactone.

Amoscanate. Ascaridole. Bephenium. Bitoscanate. Carbon

Tetrachloride. Carvacrol. Cyclobendazole. Diethylcarbamazine.

15 Diphenane. Dithiazanine Iodide. Dymanthine. Gentian Violet. 4-

Hexylresorcinol. Kainic Acid. Mebendazole. 2-Naphthol. Oxantel.

Papain. Piperazine. Piperazine Adipate. Piperazine Citrate.

Piperazine Edetate Calcium. Piperazine Tartrate. Pyrantel. Pyrvinium

Pamoate. α -Santonin. Stilbazium Iodide. Tetrachloroethylene.

20 Tetramisole. Thiabendazole. Thymol. Thymyl N-Isoamylcarbamate.

Triclofenol Piperazine and Urea Stibamine.

16) Anthelmintics (Onchocerca) such as Ivermectin and Suramin Sodium.

17) Anthelmintics (Schistosoma) such as Amoscanate.

Amphotolide. Antimony Potassium Tartrate. Antimony Sodium
 Gluconate. Antimony Sodium Tartrate. Antimony Sodium
 Thioglycollate. Antimony Thioglycollamide. Becanthone. Hycanthone.
 5 Lucanthone Hydrochloride. Niridazole. Oxamniquine. Praziquantel.
 Stibocaptate. Stibophen and Urea Stibamine.

18) Anthelmintics (Trematodes) such as Anthiolimine and
 Tetrachloroethylene.

19) Antiacne drugs such as Algestone Acetophenide. Azelaic
 10 Acid. Benzoyl Peroxide. Cyoctol. Cyproterone. Motretinide.
 Resorcinol. Retinoic Acid and Tetroquinone.

20) Antiallergics such as Amlexanox. Astemizole. Azelastine.
 Cromolyn. Fenpiprane. Histamine. Ibudilast. Nedocromil. Oxatomide.
 Pentigetide. Poison Ivy Extract. Poison Oak Extract. Poison Sumac
 15 Extract. Repirinast. Tranilast. Traxanox and Urushiol.

21) Antiamebics such as Arsthinol. Bialamicol. Carbarsone.
 Cephaeline. Chlorbetamide. Chloroquine. Chlorphenoxamide.
 Chlortetracycline. Dehydroemetine. Dibromopropamidine. Diloxanide.
 Diphetarsone. Emetine. Fumagillin. Glaucarubin. Glycobiarsol. 8-
 20 Hydroxy-7-iodo-5-quinolinesulfonic Acid. Iodochlorhydroxyquin.
 Iodoquinol. Paromomycin. Phanquinone. Phenarsone Sulfoxylate.
 Polybenzarsol. Propamidine. Quinfamide. Secnidazole. Sulfarside.
 Teclozan. Tetracycline. Thiocarbamizine. Thiocarbarsone and

Tinidazole.

22) Antiandrogens such as Bifluranol. Cyoctol. Cyproterone.
Delmadinone Acetate. Flutamide. Nilutamide and Oxendolone.

23) Antianginals such as Acebutolol. Alprenolol. Amiodarone.
5 Amlodipine. Arotinolol. Atenolol. Bepridil. Bevantolol. Bucumolol.
Bufetolol. Bufuralol. Bunitrolol. Bupranolol. Carozolol. Carteolol.
Carvedilol Celiprolol. Cinepazet Maleate. Diltiazem. Epanolol.
Felodipine. Gallopamil. Imolamine. Indenolol. Isosorbide Dinitrate.
Isradipine. Limaprost. Mepindolol. Metoprolol. Molsidomine. Nadolol.
10 Nicardipine. Nifedipine. Nifenalol. Nilvadipine. Nipradilol. Nisoldipine.
Nitroglycerin. Oxprenolol. Oxyfedrine. Ozagrel. Penbutolol.
Pentaerythritol Tetranitrate. Pindolol. Pronethalol. Propranolol.
Sotalol. Terodiline. Timolol. Toliprolol and Verapamil.

24) Antiarrhythmics such as Acebutolol. Acecainide Adenosine.
15 Ajmaline. Alprenolol. Amiodarone. Amoproxan. Aprindine. Arotinolol.
Atenolol. Bevantolol. Bretylium Tosylate. Bucumolol. Bufetolol.
Bunaftine. Bunitrolol. Bupranolol. Butidrine Hydrochloride.
Butobendine. Capobenic Acid. Carazolol. Carteolol. Cifenline.
Cloranolol. Disopyramide. Encainide. Esmolol. Flecainide.
20 Gallopamil. Hydroquinidine. Indecainide. Indenolol. Ipratropium
Bromide. Lidocaine. Lorajmine. Lorcainide. Meobentine.
Metipranolol. Mexiletine. Moricizine. Nadoxolol. Nifenalol. Oxprenolol.
Penbutolol. Pindolol. Pirmenol. Practolol. Prajmaline. Procainamide

Hydrochloride. Pronethalol. Propafenone. Propranolol. Pyrinoline.
Quinidine Sulfate. Quinidine. Sotalol. Talinolol. Timolol. Tocainide.
Verapamil. Viquidil and Xibenolol.

25) Antiarteriosclerotics such as Pyridinol Carbamate.

5 **26) Antiarthritic/Antirheumatics such as** Allocupreide Sodium.

Auranofin. Aurothioglucose. Aurothioglycanide. Azathioprine.
Calcium 3-Aurothio-2-propanol-1-sulfonate. Chloroquine. Clobuzarit.
Cuproxoline. Diacerein. Glucosamine. Gold Sodium Thiomalate.
Gold Sodium Thiosulfate. Hydroxychloroquine. Kebuzone.

10 Lobenzarit. Melittin. Methotrexate. Myoral and Penicillamine.

27) Antibacterial (antibiotic) drugs, including:

Aminoglycosides such as Amikacin. Apramycin. Arbekacin.
Bambermycins. Butirosin. Dibekacin. Dihydrostreptomycin.
Fortimicin(s). Gentamicin. Isepamicin. Kanamycin. Micronomicin.

15 Neomycin. Neomycin Undecylenate. Netilmicin. Paromomycin.

Ribostamycin. Sisomicin. Spectinomycin. Streptomycin.

Streptonicozid and Tobramycin;

Amphenicols such as Azidamfenicol. Chloramphenicol.

Chloramphenicol Palmitate. Chloramphenicol Pantothenate.

20 Florfenicol and Thiamphenicol;

Ansamycins such as Rifamide. Rifampin. Rifamycin and Rifaximin.

β -Lactams including:

Carbapenems such as Imipenem;

- Cephalosporins such as* Cefaclor. Cefadroxil. Cefamandole.
 Cefatrizine. Cefazedone. Cefazolin. Cefixime. Cefmenoxime.
 Cefodizime. Cefonicid. Cefoperazone. Ceforanide. Cefotaxime.
 Cefotiam. Cefpimizole. Cefpiramide. Cefpodoxime Proxetil.
 5 Cefroxadine. Cefsulodin. Ceftazidime. Cefteram. Ceftezole.
 Ceftibuten. Ceftizoxime. Ceftriaxone. Cefuroxime. Cefuzonam.
 Cephacetrile Sodium. Cephalexin. Cephaloglycin. Cephaloridie.
 Cephalosporin. Cephalothin. Cephapirin Sodium. Cephradine and
 Pivcefaalexin;
 10 *Cephameycins such as* Cefbuperazone. Cefmetazole. Cefminox.
 Cefotetan and Cefoxitin;
Monobactams such as Aztreonam. Carumonam and Tigemonam;
Oxacephems such as Flomoxef and Moxolactam;
Penicillins such as Amidinocillin. Amdinocillin Pivoxil. Amoxicillin.
 15 Ampicillin. Apalcillin. Aspoxicillin. Azidocillin. Azlocillin. Bacampicillin.
 Benzylpenicillinic Acid. Benzylpenicillin Sodium. Carbenicillin.
 Carfecillin Sodium. Carindacillin. Clometocillin. Cloxacillin. Cyclacillin.
 Dicloxacillin. Diphenicillin Sodium. Epicillin. Fenbenicillin. Floxacillin.
 Hetacillin. Lenampicillin. Metampicillin. Methicillin Sodium.
 20 Mezlocillin. Nafcillin Sodium. Oxacillin. Penamecillin. Penethamate
 Hydriodide. Penicillin G Benethamine. Penicillin G Benzathine.
 Penicillin G Benzhydrylamine. Penicillin G Calcium. Penicillin G
 Hydrabamine. Penicillin G Potassium. Penicillin G Procaine.

Penicillin N. Penicillin O. Penicillin V. Penicillin V Benzathine.
 Penicillin V Hydrabamine. Penimepicycline. Phenethicillin Potassium.
 Piperacillin. Pivampicillin. Propicillin. Quinacillin. Sulbenicillin.
 Talampicillin. Temocillin and Ticarcillin;

5 *Lincosamides such as* Clindamycin and Lincomycin;

Macrolides such as Azithromycin. Carbomycin. Clarithromycin.
 Erythromycin. Erythromycin Acistrate. Erythromycin Estolate.
 Erythromycin Glucoheptonate. Erythromycin Lactobionate.
 Erythromycin Propionate. Erythromycin Stearate. Josamycin.

10 Leucomycins. Midecamycins. Miokamycin. Oleandomycin. Primycin.
 Rokitamycin. Rosaramicin. Roxithromycin. Spiramycin and
 Troleandomycin;

Polypeptides such as Amphomycin. Bacitracin. Capreomycin.
 Colistin. Enduracidin. Enviomycin. Fusafungine. Gramicidin(s).

15 Gramicidin S. Mikamycin. Polymyxin. Polymyxin B-Methanesulfonic
 Acid. Pristinamycin. Ristocetin. Teicoplanin. Thiostrepton.
 Tuberactinomycin. Tyrocidine. Tyrothricin. Vancomycin. Viomycin.
 Viomycin Pantothenate. Virginiamycin and Zinc Bacitracin;

Tetracyclines such as Apicycline. Chlortetracycline. Clomocycline.

20 Demeclocycline. Doxycycline. Guamecycline. Lyme cycline.
 Meclocycline. Methacycline. Minocycline. Oxytetracycline.
 Penimepicycline. Pipacycline. Rolitetracycline. Sancycline. Senociclin
 and Tetracycline; and

other antibiotics such as Cycloserine. Mupirocin and Tuberin.

28) Antibacterial drugs (synthetic), including:

2,4-Diaminopyrimidines such as Brodimoprim. Tetroxoprim and Trimethoprim;

5 *Nitrofurans* such as Furaltadone. Furazolium Chloride. Nifuradene. Nifuratel. Nifurfoline. Nifurpirinol. Nifurprazine. Nifurtinol and Nitrofurantoin;

Quinolones and Analogs such as Amifloxacin. Cinoxacin.

Ciprofloxacin. Difloxacin. Enoxacin. Fleroxacin. Flumequine.

10 Lomefloxacin. Miloxacin. Nalidixic Acid. Norfloxacin. Ofloxacin. Oxolinic Acid. Pefloxacin. Pipemidic Acid. Piromidic Acid. Rosoxacin. Temafloxacin and Tosufloxacin;

Sulfonamides such as Acetyl Sulfamethoxypyrazine. Acetyl

Sulfisoxazole. Azosulfamide. Benzylsulfamide. Chloramine-B.

15 Chloramine-T. Dichloramine T. Formosulfathiazole.

N²Formylsulfisomidine. N²-β-D-Glucosylsulfanilamide. Mafenide. 4'-(Methylsulfamoyl) sulfanililide. p-Nitrosulfathiazole.

Noprylsulfamide. Phthalylsulfacetamide. Phthalylsulfathiazole.

Salazosulfadimidine. Succinylsulfathiazole. Sulfabenzamide.

20 Sulfacetamide. Sulfachlorpyridazine. Sulfachrysoidine. Sulfacytine. Sulfadiazine. Sulfadicramide. Sulfadimethoxine. Sulfadoxine. Sulfaethidole. Sulfaguanidine. Sulfaguanol. Sulfalene. Sulfaloxic Acid. Sulfamerazine. Sulfameter. Sulfamethazine. Sulfamethizole.

- Sulfamethomidine. Sulfamethoxazole. Sulfamethoxypyridazine.
 Sulfametrole. Sulfamidochrysoidine. Sulfamoxole. Sulfanilamide.
 Sulfanilamidomethanesulfonic Acid Triethanolamine Salt. 4-
 Sulfanilamidosalicylic Acid. N⁴-Sulfanilylsulfanilamide. Sulfanilylurea.
 5 N-Sulfanilyl-3,4-xylamide. Sulfanitran. Sulfaperine. Sulfaphenazole.
 Sulfaproxyline. Sulfapyrazine. Sulfapyridine. Sulfasomizole.
 Sulfasymazine. Sulfathiazole. Sulfathiourea. Sulfatolamide.
 Sulfisomidine and Sulfisoxazole;
Sulfones such as Acedapsone. Acediasulfone. Acetosulfone Sodium.
 10 Dapsone. Diathymosulfone. Glucosulfone Sodium. Solasulfone.
 Succisulfone. Sulfanilic Acid. p-Sulfanilylbenzylamine. p,p'-
 Sulfonyldianiline-N,N'digalactoside. Sulfoxone Sodium and
 Thiazolsulfone; and
others such as Clofoctol. Hexedine. Methenamine. Methenamine
 15 Anhydromethylene-citrate. Methenamine Hippurate. Methenamine
 Mandelate. Methenamine Sulfosalicylate. Nitroxoline and Xibornol.
29) Anticholinergics such as Adiphenine Hydrochloride. Alverine.
 Ambutonium Bromide. Aminopentamide. Amixetrine.
 Amprotropine Phosphate. Anisotropine Methylbromide. Apoatropine.
 20 Atropine. Atropine N-Oxide. Benactyzine. Benapryzine. Benzetimide.
 Benzilonium Bromide. Benztropine Mesylate. Bevonium Methyl
 Sulfate. Biperiden. Butropium Bromide. N-Butylscopolammonium
 Bromide. Buzepide. Camylofine. Caramiphen Hydrochloride.

- Chlorbenzoxamine. Chlorphenoxamine. Cimetropium Bromide.
 Clidinium Bromide. Cyclo-drine. Cyclonium Iodide. Cycrimine
 Hydrochloride. Deptropine. Dexetimide. Dibutoline Sulfate.
 Dicyclomine Hydrochloride. Diethazine. Difemerine. Dihexyverine.
 5 Diphemanil Methylsulfate. N-(1,2-Diphenylethyl)nicotinamide.
 Dipiproverine. Diponium Bromide. Emepronium Bromide.
 Endobenzylamine Bromide. Ethopropazine. Ethybenztropine.
 Ethylbenzhydramine. Etomidoline. Eucatropine. Fenpiverinium
 Bromide. Fentonium Bromide. Flutropium Bromide. Glycopyrrolate.
 10 Heteronium Bromide. Hexocyclium Methyl Sulfate. Homatropine.
 Hyoscyamine. Ipratropium Bromide. Isopropamide. Levomepate.
 Meclo-xamine. Mepenzolate Bromide. Metcaraphen. Methantheline
 Bromide. Methixene. Methscopolamine Bromide. Octamylamine.
 Oxybutynin Chloride. Oxyphencyclimine. Oxyphenonium Bromide.
 15 Pentapiperide. Penthienate Bromide. Phencarbamide.
 Phenglutarimide. Pipenzolate Bromide. Piperidolate. Piperilate.
 Poldine Methylsulfate. Pridinol. Prifinium Bromide. Procyclidine.
 Propantheline Bromide. Propenzolate. Propyromazine. Scopolamine.
 Scopolamine N-Oxide. Stilonium Iodide. Stramonium. Sultroponium.
 20 Thihexinol. Thiphenamil. Tiemonium Iodide. Timepidium Bromide.
 Tiquizium Bromide. Tridihexethyl Iodide. Trihexyphenidyl
 Hydrochloride. Tropacine. Tropenzile. Tropicamide. Tros-pium
 Chloride. Valethamate Bromide and Xenytropium Bromide.

30) Anticonvulsants such as Acetylpheneturide. Albutoin.

Aloxidone. Aminoglutethimide. 4-Amino-3-hydroxybutyric Acid.

Atrolactamide. Beclamide. Buramate. Calcium Bromide.

Carbamazepine. Cinromide. Clomethiazole. Clonazepam.

5 Decimemide. Diethadione. Dimethadione. Doxenitoin. Eterobarb.

Ethadione. Ethosuximide. Ethotoin. Fluoresone. 5-

Hydroxytryptophan. Lamotrigine. Magnesium Bromide. Magnesium

Sulfate. Mephenytoin. Mephobarbital. Metharbital. Methetoin.

10 Methsuximide. 5-Methyl-5-(3-phenanthryl)hydantoin. 3-Methyl-5-phenylhydantoin. Narcobarbital. Nimetazepam. Nitrazepam.

Paramethadione. Phenacemide. Phenetharbital. Pheneturide.

Phenobarbital. Phenobarbital Sodium. Phensuximide.

Phenylmethylbarbituric Acid. Phenytoin. Phethenylate Sodium.

Potassium Bromide. Primidone. Progabide. Sodium Bromide.

15 Solanum. Strontium Bromide. Suclofenide. Sulthiame. Tetrantoin.

Trimethadione. Valproic Acid. Valpromide. Vigabatrin and

Zonisamide.

31) Antidepressants, including:*Bicyclics such as* Binedaline. Caroxazone. Citalopram. Dimethazan.

20 Indalpine. Fencamine. Indeloxazine Hydrochloride. Nefopam.

Nomifensine. Oxitriptan. Oxypertine. Paroxetine. Sertraline.

Thiazesim. Trazodone and Zometapine;

Hydrazides/Hydrazines such as Benmoxine. Iproclozide. Iproniazid.

Isocarboxazid. Nialamide. Octamoxin and Phenelzine;

Pyrrolidones such as Cotinine. Rolicyprine and Rolipram;

Tetracyclics such as Maprotiline. Metralindole. Mianserin and

Oxaprotiline;

5 *Tricyclics such as* Adinazolam. Amitriptyline. Amitriptylinoxide.

Amoxapine. Butriptyline. Clomipramine. Demexiptiline. Desipramine.

Dibenzepin. Dimetacrine. Dothiepin. Doxepin. Fluacizine.

Imipramine. Imipramine N-Oxide. Iprindole. Lofepramine. Melitracen.

Metapramine. Nortriptyline. Noxiptilin. Opipramol. Pizotyline.

10 Propizepine. Protriptyline. Quinupramine. Tianeptine and

Trimipramine; and

others such as Adrafinil. Benactyzine. Bupropion. Butacetin. Deanol.

Deanol Aceglumate. Deanol Acetamidobenzoate. Dioxadrol.

Etoferidone. Febarbamate. Femoxetine. Fenpentadiol. Fluoxetine.

15 Fluvoxamine. Hematoporphyrin. Hypercinin. Levophacetoperane.

Medifoxamine. Minaprine. Moclobemide. Oxaflozane. Piberaline.

Prolintane. Pyrisuccideanol. Rubidium Chloride. Sulpiride. Sultopride.

Teniloxazine. Thozalinone. Tofenacin. Toloxatone. Tranylcypromine.

L-Tryptophan. Viioxazine and Zimeldine.

20 **32) Antidiabetics, including:**

Biguanides such as Buformin. Metformin and Phenformin;

Hormones such as Glucagon. Insulin. Insulin Injection. Insulin Zinc

Suspension. Isophane Insulin Suspension. Protamine Zinc Insulin

Suspension and Zinc Insulin Crystals;

Sulfonylurea derivatives such as Acetohexamide. 1-Butyl-3-metanilylurea. Carbutamide. Chlorpropamide. Glibornuride.

Gliclazide. Glipizide. Gliquidone. Glisoxepid. Glyburide.

- 5 Glybuthiazol(e). Glybuzole. Glyhexamide. Glymidine. Glypinamide. Phenbutamide. Tolazamide. Tolbutamide and Tolcyclamide; and *others such as* Acarbose. Calcium Mesoxalate and Miglitol.

33) Antidiarrheal drugs such as Acetyltannic Acid. Albumin Tannate. Alkofanone. Aluminum Salicylates-Basic. Catechin.

- 10 Difenoxin. Diphenoxylate. Lidamidine. Loperamide. Mebiquine. Trillium and Uzarin.

34) Antidiuretics such as Desmopressin. Felypressin. Lypressin. Ornipressin. Oxycinchophen. Pituitary-Posterior. Terlipressin and Vasopressin.

- 15 **35) Antiestrogens such as** Delmadinone Acetate. Ethamoxytriphetol. Tamoxifen and Toremifene.

36) Antifungal drugs (antibiotics), including:

Polyenes such as Amphotericin-B. Candicidin. Dermostatin. Filipin.

Fungichromin. Hachimycin. Hamycin. Lucensomycin. Mepartricin.

- 20 Natamycin. Nystatin. Pecilocin and Perimycin; and

others such as Azaserine. Griseofulvin. Oligomycins. Neomycin Undecylenate. Pyrrolnitrin. Siccanin. Tubercidin and Viridin.

37) Antifungal drugs (synthetic), including:

Allylamines such as Naftifine and Terbinafine;

Imidazoles such as Bifonazole. Butoconazole. Chlordantoin.

Chlormidazole. Cloconazole. Clotrimazole. Econazole. Enilconazole.

Fenticonazole. Isoconazole. Ketoconazole. Miconazole.

5 Omoconazole. Oxiconazole Nitrate. Sulconazole and Tioconazole;

Triazoles such as Fluconazole. Itraconazole and Terconazole; and

others such as Acrisorcin. Amorolfine. Biphenamine.

Bromosalicylchloranilide. Buclosamide. Calcium Propionate.

Chlorphenesin. Ciclopirox. Cloxyquin. Coparaffinate. Diamthazole

10 Dihydrochloride. Exalamide. Flucytosine. Halethazole. Hexetidine.

Loflucarban. Nifuratel. Potassium Iodide. Propionic Acid. Pyrithione.

Salicylanilide. Sodium Propionate. Sulbentine. Tenonitroazole.

Tolciclate. Tolindate. Tolnaftate. Triacetin. Ujothion. Undecylenic
Acid and Zinc Propionate.

15 **38) Antiglaucoma drugs such as** Acetazolamide. Befunolol.

Betaxolol. Bupranolol. Carteolol. Dapiprazole. Dichlorphenamide.

Dipivefrin. Epinephrine. Levobunolol. Methazolamide. Metipranolol.

Pilocarpine. Pindolol and Timolol.

39) Antigonadotropins such as Danazol. Gestrinone and

20 Paroxypropione.

40) Antigout drugs such as Allopurinol. Carprofen. Colchicine.

Probenecid and Sulfinpyrazone.

41) Antihistamines, including:

Alkylamine derivatives such as Acrivastine. Bamipine.

Brompheniramine. Chlorpheniramine. Dimethindene. Metron S.

Pheniramine. Pyrrobutamine. Thenaldine. Tolpropamine and

Tripolidine;

5 *Aminoalkyl ethers such as* Bietanautine. Bromodiphenhydramine.

Carbinoxamine. Clemastine. Diphenylpyraline. Doxylamine.

Embramine. Medrylamine. Mephenhydramine. p-

Methyldiphenhydramine. Orphenadrine. Phenyltoloxamine.

Piprinhydrinate and Setasine;

10 *Ethylenediamine derivatives such as* Alloclamide. p-

Bromtripelennamine. Chloropyramine. Chlorothen. Histapyrrodine.

Methafurylene. Methaphenilene. Methapyrilene. Phenbenzamine.

Pyrilamine. Talastine. Thenyldiamine. Thonzylamine Hydrochloride.

Tripelennamine and Zolamine;

15 *Piperazines such as* Cetirizine. Chlorcyclizine. Cinnarizine.

Clocinizine and Hydroxyzine;

Tricyclics, including:

Phenothiazines such as Ahistan. Etymemazine. Hydroxyzine. N-

Hydroxyethylpromethazine Chloride. Isopromethazine. Mequitazine.

20 Promethazine. Pyrathiazine and Thiazinamium Methyl Sulfate; and

others such as Azatadine. Clobenzepam. Cyproheptadine.

Deptropine. Isothipendyl. Loratadine and Prothipendyl; and

other antihistamines such as Antazoline. Astemizole. Azelastine.

Cetoxime. Clemizole. Clobenztropine. Diphenazoline.
Diphenhydramine. Mebhydroline. Phenindamine. Terfenadine and
Tritoqualine.

42) Antihyperlipoproteinemics, including:

- 5 *Aryloxyalkanoic acid derivatives such as* Beclobrate. Bezafibrate.
Binifibrate. Ciprofibrate. Clinofibrate. Clofibrate. Clofibric Acid.
Etofibrate. Fenofibrate. Gemfibrozil. Nicofibrate. Pirifibrate.
Ronifibrate. Simfibrate and Theofibrate;
Bile acid sequesterants such as Cholestyramine Resin. Colestipol
10 and Polidexide;
HMG CoA reductase inhibitors such as Lovastatin. Pravastatin
Sodium and Simvastatin;
Nicotinic acid derivatives Aluminum Nicotinate. Acipimox. Niceritrol.
Nicoclonate. Nicomol and Oxiniacic Acid;
15 *Thyroid hormones and analogs such as* Etiroxate. Thyropropic Acid
and Thyroxine; and
others such as Acifran. Azacosterol. Benfluorex. β -
Benzalbutyramide. Carnitine. Chondroitin Sulfate. Clomestrone.
Detaxtran. Dextran Sulfate Sodium. 5,8,11,14,17-Eicosapentaenoic
20 Acid. Eritadenine. Furazabol. Meglutol. Melinamide. Mytatrienediol.
Ornithine. γ -Oryzanol. Pantethine. Pentaerythritol Tetraacetate. α -
Phenylbutyramide. Pirozadil. Probucol. α -Sitosterol. Sultosilic Acid.
Piperazine Salt. Tiadenol. Triparanol and Xenbucin.

43) Antihypertensive drugs, including:

Arylethanolamine derivatives such as Amosulalol. Bufuralol.

Dilevalol. Labetalol. Pronethalol. Sotalol and Sulfinalol;

Aryloxypropanolamine derivatives such as Acebutolol. Alprenolol.

5 Arotinolol. Atenolol. Betaxolol. Bevantolol. Bisoprolol. Bopindolol.

Bunitrolol. Bupranolol. Butofilolol. Carazolol. Carteolol. Carvedilol.

Celiprolol. Cetamolol. Epanolol. Indenolol. Mepindolol. Metipranolol.

Metoprolol. Moprolol. Nadolol. Nipradilol. Oxprenolol. Penbutolol.

Pindolol. Propranolol. Talinolol. Tertatolol. Timolol and Toliprolol;

10 *Benzothiadiazine derivatives such as* Althiazide.

Bendroflumethiazide. Benzthiazide. Benzyhydrochlorothiazide.

Buthiazide. Chlorothiazide. Chlorthalidone. Cyclopenthiazide.

Cyclothiazide. Diazoxide. Epithiazide. Ethiazide. Fenquizone.

Hydrochlorothiazide. Hydroflumethiazide. Methyclothiazide.

15 Meticrane. Metolazone. Paraflutizide. Polythiazide.

Tetrachlormethiazide and Trichlormethiazide;

N-Carboxyalkyl (petide/lactam) derivatives such as Alacepril.

Captopril. Cilazapril. Delapril. Enalapril. Enalaprilat. Fosinopril.

Lisinopril. Moveltipril. Perindopril. Quinapril and Ramipril;

20 *Dihydropyridine derivatives such as* Amlodipine. Felodipine.

Isradipine. Nicardipine. Nifedipine. Nilvadipine. Nisoldipine and

Nitrendipine;

Guanidine derivatives such as Bethanidine. Debrisoquin.

- Guanabenz. Guanacine. Guanadrel. Guanazodine. Guanethidine.
 Guanfacine. Guanochlor. Guanoxabenz and Guanoxan;
Hydrazines and phthalazines such as Budralazine. Cadralazine.
 Dihydralazine. Endralazine. Hydracarbazine. Hydralazine.
- 5 Pheniprazine. Pildralazine and Todralazine;
Imidazole derivatives such as Clonidine. Lofexidine. Phentolamine.
 Tiamenidine and Tolonidine;
Quaternary ammonium compounds Azamethonium Bromide.
 Chlorisondamine Chloride. Hexamethonium. Pentacynium Bis(methyl
 10 sulfate). Pentamethonium Bromide. Pentolinium Tartate.
 Phenactopinium Chloride and Trimethidinium Methosulfate;
Quinazoline derivatives such as Alfuzosin. Bunazosin Doxazosin.
 Prazosin. Terazosin and Trimazosin;
Reserpine derivatives such as Bietaserpine. Deserpidine.
- 15 Rescinamine. Reserpine and Syrosingopine;
Sulfonamide derivatives such as Ambuside. Clopamide. Furosemide.
 Indapamide. Quinethazone. Tripamide and Xipamide; and
others such as Ajmaline. γ -Aminobutyric Acid. Bufeniode.
 Chlorthalidone. Cicletanine. Ciclosidomine. Cryptenamine Tannates.
- 20 Fenoldopam. Flosequinan. Indoramin. Ketanserin. Mebutamate.
 Mecamylamine. Methyldopa. Methyl 4-Pyridyl Ketone
 Thiosemicarbarzone. Metolazone. Minoxidil. Muzolimine. Pargyline.
 Pempidine. Pinacidil. Piperoxan. Primaperone. Protoveratrines.

Raubasine. Rescimetol. Rilmenidene. Saralasin. Sodium Nitroprusside. Ticrynafen. Trimethaphan Camsylate. Tyrosinase and Urapidil.

44) Antihyperthyroids such as 2-Amino-4-methylthiazole. 2-

5 Aminothiazole. Carbimazole. 3,5-Dibromo-L-tyrosine. 3,5-Diiodotyrosine. Hinderin. Iodine. Iothiouracil. Methimazole. Methylthiouracil. Propylthiouracil. Sodium Perchlorate.

Thibenzazoline. Thiobarbital and 2-Thiouracil.

45) Antihypotensive drugs such as Amezinium Methyl Sulfate.

10 Angiotensin Amide. Dimetofrine. Dopamine. Etifelmin. Etilefrin. Gepefrine. Metaraminol. Midodrine. Norepinephrine. Pholedrine and Synephrine.

46) Antihypothyroid drugs such as Levothyroxine Sodium.

Liothyronine. Thyroid. Thyroidin. Thyroxine. Tiratricol and TSH.

15 **47) Anti-Inflammatory (non-steroidal) drugs, including:**

Aminoarylcarboxylic acid derivatives such as Enfenamic Acid.

Etofenamate. Flufenamic Acid. Isonixin. Meclofenamic Acid.

Mefenamic Acid. Niflumic Acid. Talniflumate. Terofenamate and Tolfenamic Acid;

20 *Arylacetic acid derivatives such as* Acemetacin. Alclofenac. Amfenac.

Bufexamac. Cinmetacin. Clopirac. Diclofenac Sodium. Etodolac.

Felbinac. Fenclofenac. Fenclorac. Fenclozic Acid. Fentiazac.

Glucametacin. Ibufenac. Indomethacin. Isofezolac. Isoxepac.

Lonazolac. Metiazinic Acid. Oxametacine. Proglumetacin. Sulindac.
Tiaramide. Tolmetin and Zomepirac;

Arylbutyric acid derivatives such as Bumadizon. Butibufen. Fenbufen
and Xenbucin;

5 *Arylcarboxylic acid such as* Clidanac. Ketorolac and Tinoridine;

Arylpropionic acid derivatives such as Alminoprofen. Benoxaprofen.
Bucloxic Acid. Carprofen. Fenoprofen. Flunoxaprofen. Flurbiprofen.
Ibuprofen. Ibuproxam. Indoprofen. Ketoprofen. Loxoprofen.
Mioprofen. Naproxen. Oxaprozin. Piketoprofen. Pirprofen.

10 *Pranoprofen. Protizinic Acid. Suprofen and Tiaprofenic Acid;*

Pyrazoles such as Difenamizole and Epirizole;

Pyrazolones such as Apazone. Benzpiperylon. Feprazone.

Mofebutazone. Morazone. Oxyphenbutazone. Phenylbutazone.
Pipebuzone. Propyphenazone. Ramifenazone. Suxibuzone and

15 *Thiazolinobutazone;*

Salicylic acid derivatives such as Acetaminosalol. Aspirin.

Benorylate. Bromosaligenin. Calcium Acetylsalicylate. Diflunisal.
Etersalate. Fendosal. Gentisic Acid. Glycol Salicylate. Imidazole
Salicylate. Lysine Acetylsalicylate. Mesalamine. Morpholine

20 *Salicylate. 1-Naphthyl Salicylate. Olsalazine. Parsalimide. Phenyl
Acetylsalicylate. Phenyl Salicylate. Salacetamide. Salicylamine O-
Acetic Acid. Salicylsulfuric Acid. Salsalate and Sulfasalazine;*

Thiazinecarboxamides such as Droxicam. Isoxicam. Piroxicam and

Tenoxicam; and

others such as ϵ -Acetamidocaproic Acid. S-Adenosylmethionine. 3-Amino-4-hydroxybutyric Acid. Amixetrine. Bendazac. Benzydamine.

Bucolome. Difenpiramide. Ditazol. Emorfazone. Guaiazulene.

5 Nabumetone. Nimesulide. Orgotein. Oxaceprol. Paranyline.

Perisoxal. Pifoxime. Proquazone. Proxazole and Tenidap.

48) Antimalarial drugs such as Acedapsone. Amodiaquin.

Arteether. Artemether. Artemisinin. Artesunate. Bebeerine.

Berberine. Chirata. Chlorguanide. Chloroquine. Chlorproguanil.

10 Cinchona. Cinchonidine. Cinchonine. Cycloguanil. Gentiopicrocin.

Halofantrine. Hydroxychloroquine. Mefloquine Hydrochloride. 3-

Methylarsacetin. Pamaquine. Plasmocid. Primaquine.

Pyrimethamine. Quinacrine. Quinine. Quinine Bisulfate. Quinine

Carbonate. Quinine Dihydrobromide. Quinine Dihydrochloride.

15 Quinine Ethylcarbonate. Quinine Formate. Quinine Gluconate.

Quinine Hydriodide. Quinine Hydrochloride. Quinine Salicylate.

Quinine Sulfate. Quinine Tannate. Quinine Urea Hydrochloride.

Quinocide. Quinoline and Sodium Arsenate Dibasic.

49) Antimigraine drugs such as Alpiropride. Dihydroergotamine.

20 Ergocornine. Ergocorninine. Ergocryptine. Ergot. Ergotamine.

Flumetroxone acetate. Fonazine. Lisuride. Methysergid(e).

Oxetorone. Pizotyline and Sumatriptan.

50) Antinauseant drugs such as Acetylleucine

- Monoethanolamine. Alizapride. Benzquinamide. Bietanautine.
 Bromopride. Buclizine. Chlorpromazine. Clebopride. Cyclizine.
 Dimenhydrinate. Diphenidol. Domperidone. Granisetron. Meclizine.
 Methallatal. Metoclopramide. Metopimazine. Nabilone. Ondansetron.
 5 Oxypendyl. Pipamazine. Piprinhydrinate. Prochlorperazine.
 Scopolamine. Tetrahydrocannabinols. Thiethylperazine.
 Thioproperazine and Trimethobenzamide.

51) Antineoplastic drugs, including:

Alkylating agents, including:

- 10 *Alkyl sulfonates such as* Busulfan. Improsulfan and Pipo sulfan;
Aziridines such as Benzodepa. Carboquone. Meturedopa and
 Uredopa;
Ethylenimines and methylmelamines such as Altretamine.
 Triethylenemelamine. Triethylenephosphoramidate.
 15 Triethylenethiophosphoramidate and Trimethylolmelamine;
Nitrogen mustards such as Chlorambucil. Chlornaphazine.
 Cyclophosphamide. Estramustine. Ifosfamide. Mechlorethamine.
 Mechlorethamine Oxide Hydrochloride. Melphalan. Novembichin.
 Phenesterine. Prednimustine. Trofosfamide and Uracil Mustard;
 20 *Nitrosoureas such as* Carmustine. Chlorozotocin. Fotemustine.
 Lomustine. Nimustine and Ranimustine; and
others such as Dacarbazine. Mannomustine. Mitobronitol. Mitolactol
 and Pipobroman;

Antibiotics such as Aclacinomycins. Actinomycin F₁. Anthramycin.

Azaserine. Bleomycins. Cactinomycin. Carubicin. Carzinophilin.

Chromomycins. Dactinomycin. Daunorubicin. 6-Diazo-5-oxo-L-norleucine. Doxorubicin. Epirubicin. Mitomycins. Mycophenolic Acid.

5 Nogalamycin. Olivomycins. Peplomycin. Plicamycin. Porfiromycin.

Puromycin. Streptonigrin. Streptozocin. Tubercidin. Ubenimex.

Zinostatin and Zorubicin;

Antimetabolites, including:

10 *Folic acid analogs such as* Denopterin. Methotrexate. Pteropterin and Trimetrexate;

Purine analogs such as Fludarabine. 6-Mercaptopurine. Thiamiprine and Thioguanine; and

Pyrimidine analogs such as Ancitabine. Azacitidine. 6-Azauridine.

Carmofur. Cytarabine. Doxifluridine. Enocitabine. Floxuridine.

15 Fluorouracil and Tegafur;

Enzymes such as L-Asparaginase; and

others such as Aceglatone. Amsacrine. Bestrabucil. Bisantrone.

Carboplatin. Cisplatin. Defosfamide. Demecolcine. Diaziquone.

Eflornithine. Elliptinium Acetate. Etoglucid. Etoposide. Gallium

20 Nitrate. Hydroxyurea. Interferon- α . Interferon- β . Interferon- γ .

Interleukin-2. Lentinan. Lonidamine. Mitoguazone. Mitoxantrone.

Mopidamol. Nitracrine. Pentostatin. Phenamet. Pirarubicin.

Podophyllinic Acid. 2-Ethylhydrazide. Procarbazine. PSK®.

Razoxane. Sizofiran. Spirogermanium. Taxol. Teniposide.

Tenuazonic Acid. Triaziquone. 2,2',2"-Trichlorotriethylamine.

Urethan. Vinblastine. Vincristine and Vindesine.

52) Antineoplastic (hormonal) drugs, including:

5 *Androgens such as* Calusterone. Dromostanolone Propionate.

Epitiostanol. Mepitiostane and Testolactone;

Antiadrenals such as Aminoglutethimide. Mitotane and Trilostane;

Antiandrogens such as Flutamide and Nilutamide; and

Antiestrogens such as Tamoxifen and Toremifene.

10 **53) Antineoplastic adjuncts including folic acid replenishers such as** Folinic Acid.

54) Antiparkinsonian drugs such as Amantadine. Benserazide.

Bietanautine. Biperiden. Bromocriptine. Budipine. Carbidopa.

Deprenyl. Dexetimide. Diethazine. Droxidopa. Ethopropazine.

15 Ethylbenzhydramine. Levodopa. Naxagolide. Pergolide. Piroheptine.

Pridinol. Prodipine. Terguride Tigloidine and Trihexyphenidyl

Hydrochloride.

55) Antipheochromocytoma drugs such as Metyrosine.

Phenoxybenzamine and Phentolamine.

20 **56) Antipneumocystis drugs such as** Eflornithine. Pentamidine and Sulfamethoxazole.

57) Antiprostatic hypertrophy drugs such as Gestonorone

Caproate. Mepartricin. Oxendolone and Proscar®.

58) Antiprotozoal drugs (Leshmania) such as Antimony Sodium Gluconate. Ethylstibamine. Hydroxystilbamidine. N-Methylglucamine. Pentamidine. Stilbamidine and Urea Stibamine.

59) Antiprotozoal drugs (Trichomonas) such as Acetarsone.

5 Aminitroazole. Anisomycin. Azanidazole. Forminitrazole. Furazolidone. Hachimycin. Lauroguadine. Mepartricin. Metronidazole. Nifuratel. Nifuroxime. Nimorazole. Secnidazole. Silver Picrate. Tenonitroazole and Tinidazole.

60) Antiprotozoal drugs (Trypanosma) such as Benznidazole.

10 Eflornithine. Melarsoprol. Nifurtimox. Oxophenarsine. Hydrochloride. Pentamidine. Propamidine. Puromycin. Quinapyramine. Stilbamidine. Suramin Sodium. Trypan Red and Tryparsamide.

61) Antipuritics such as Camphor. Cyproheptadine. Dichlorisone.

15 Glycine. Halometasone. 3-Hydroxycamphor. Menthol. Mesulphen. Methdilazine. Phenol. Polidocanol. Risocaine. Spirit of Camphor. Thenaldine. Tolpropamine and Trimeprazine.

62) Antipsoriatic drugs such as Acitretin. Ammonium Salicylate.

Anthralin. 6-Azauridine. Bergapten(e). Chrysarobin. Etretnate and Pyrogallol.

20 **63) Antipsychotic drugs, including:**

Butyrophenones such as Benperidol. Bromperidol. Droperidol. Fluanisone. Haloperidol. Melperone. Moperone. Pipamperone. Spiperone. Timiperone and Trifluoperidol;

Phenothiazines such as Acetophenazine. Butaperazine.

Carphenazine. Chlorproethazine. Chlorpromazine. Clospirazine.

Cyamemazine. Dixyrazine. Fluphenazine. Imiclopazine. Mepazine.

Mesoridazine. Methoxypromazine. Metofenazate. Oxaflumazine.

5 Perazine. Pericyazine. Perimethazine. Perphenazine.

Piperacetazine. Pipotiazine. Prochlorperazine. Promazine.

Sulforidazine. Thiopropazate. Thioridazine. Trifluoperazine and

Triflupromazine;

Thioxanthenes such as Chlorprothixene. Clopenthixol. Flupentixol

10 and Thiothixene;

other tricyclics such as Benzquinamide. Carpipramine.

Clocapramine. Clomacran. Clothiapine. Clozapine. Opipramol.

Prothipendyl. Tetrabenazine and Zotepine; and

others such as Alizapride. Amisulpride. Buramate. Fluspirilene.

15 Molindone. Penfluridol. Pimozide. Spirilene and Sulpiride.

64) Antipyretics such as Acetaminophen. Acetaminosalol.

Acetanilide. Aconine. Aconite. Aconitine. Alclofenac. Aluminum

Bis(acetylsalicylate). Aminochlorthenoxazin. Aminopyrine. Aspirin.

Benorylate. Benzydamine. Berberine. p-Bromoacetanilide.

20 Bufexamac. Bumadizon. Calcium Acetylsalicylate.

Chlorthenoxazin(e). Choline Salicylate. Clidanac.

Dihydroxyaluminum Acetylsalicylate. Dipyroceryl. Dipyrone. Epirizole.

Etersalate. Imidazole Salicylate. Indomethacin. Isofezolac. p-

Lactophenetide. Lysine Acetylsalicylate. Magnesium Acetylsalicylate.
 Meclofenamic Acid. Morazone. Morpholine Salicylate. Naproxen.
 Nifenazone. 5'-Nitro-2'propoxyacetanilide. Propoxyacetanilide.
 Phenacetin. Phenicarbazide. Phenocoll. Phenopyrazone. Phenyl
 5 Acetylsalicylate. Phenyl Salicylate. Pipebuzone. Propacetamol.
 Propyphenazone. Ramifenazone. Salacetamide. Salicylamide O-
 Acetic Acid. Sodium Salicylate. Sulfamipyrine. Tetrandrine and
 Tinoridine.

65) Antirickettsial drugs such as p-Aminobenzoic Acid.

10 Chloramphenicol. Chloramphenicol Palmitate. Chloramphenicol
 Pantothenate and Tetracycline.

66) Antiseborrheic drugs such as Chloroxine. 3-O-

Lauroylpyridoxol Diacetate. Piroctone. Pyrithione. Resorcinol.
 Selenium Sulfides and Tioxolone.

15 **67) Antiseptics, including:**

Guanidines such as Alexidine. Ambazone. Chlorhexidine and
 Picloxydine;

Halogens and halogen compounds such as Bismuth Iodide Oxide.
 Bismuth Iodosubgallate. Bismuth Tribromophenate. Bornyl Chloride.
 20 Calcium Iodate. Chlorinated Lime. Cloflucarban. Flurosolan. Iodic
 Acid. Iodine. Iodine Monochloride. Iodine Trichloride. Iodoform.
 Methenamine Tetraiodine. Oxychlorosene. Povidone-Iodine. Sodium
 Hypochlorite. Sodium Iodate. Symclosene. Thymol Iodide.

- Triclocarban. Triclosan and Troclosene Potassium;
Mercurial compounds such as Hydrargaphen. Meralein Sodium.
 Merbromin. Mercuric Chloride. Mercuric Chloride Ammoniated.
 Mercuric Sodium p-Phenolsulfonate. Mercuric Succinimide. Mercuric
 5 Sulfide Red. Mercurophen. Mercurous Acetate. Mercurous Chloride.
 Mercurous Iodide. Nitromersol. Potassium Tetraiodomercurate(II).
 Potassium Triiodomercurate(II) Solution. Thimerfonate Sodium and
 Thimerosal;
Nitrofurans such as Furazolidone. 2-(Methoxymethyl)-5-nitrofuran.
 10 Nidroxyzone. Nifuroxime. Nifurzide and Nitrofurazone;
Phenols such as Acetomerocetol. Bithionol. Cadmium Salicylate.
 Carvacrol. Chloroxylenol. Clorophene. Creosote. Cresol(s). p-Cresol.
 Fenticlor. Hexachlorophene. 1-Naphthyl Salicylate. 2-Naphthyl
 Salicylate. 2,4,6-Tribromo-m-cresol and 3',4',5-Trichlorosalicylanilide;
 15 *Quinolines such as* Aminoquinuride. Benzoxiquine. Broxyquinoline.
 Chloroxine. Chlorquinaldol. Cloxyquin. Ethylhydrocupreine. Euprocine.
 Halquinol. Hydrastine. 8-Hydroxyquinoline. 8-Hydroxyquinoline Sulfate
 and Iodochlorhydroxyquin; and
others such as Aluminum Acetate Solution. Aluminum Subacetate
 20 Solution. Aluminum Sulfate. 3-Amino-4-hydroxybutyric Acid. Boric
 Acid. Chlorhexidine. Chloroazodin. m-Cresyl Acetate. Cupric Sulfate.
 Dibromopropamidine. Ichthammol. Negatol®. Noxytiolin. Ornidazole.
 β -Propiolactone. α -Terpineol.

68) Antispasmodic drugs such as Alibendol. Ambucetamide.

Aminopromazine. Apoatropine. Bevonium Methyl Sulfate.

Bietamiverine. Butaverine. Butropium Bromide. N-

Butylscopolammonium Bromide. Caroverine. Cimetropium Bromide.

5 Cinnamedrine. Clebopride. Coniine Hydrobromide. Coniine

Hydrochloride. Cyclonium Iodide. Difemerine. Diisopromine.

Dioxaphetyl Butyrate. Diponium Bromide. Drofenine. Emepronium

Bromide. Ethaverine. Feclemine. Fenalamide. Fenoverine.

Fenpiprane. Fenpiverinium Bromide. Fentonium Bromide. Flavoxate.

10 Flopropione. Gluconic Acid. Guaiactamine. Hydramitrazine.

Hymecromone. Leiopyrrole. Mebeverine. Moxaverine. Nafiverine.

Octamylamine. Octaverine. Pentapiperide. Phenamacide

Hydrochloride. Phloroglucinol. Pinaverium Bromide. Piperilate.

Pipoxolan Hydrochloride. Pramiverin. Prifinium Bromide. Properidine.

15 Propivane. Propyromazine. Prozapine. Racefemine. Rociverine.

Spasmolytol. Stilonium Iodide. Sultroponium. Tiemonium Iodide.

Tiquizium Bromide. Tiropramide. Trepibutone. Tricromyl. Trifolium.

Trimebutine. N,N-1Trimethyl-3,3-diphenyl-propylamine. Tropenzile.

Tropium Chloride and Xenytropium Bromide.

20 **69) Antithrombotic drugs such as** Anagrelide. Argatroban.

Cilostazol. Daltroban. Defibrotide. Enoxaparin. Fraxiparine®.

Indobufen. Lamoparan. Ozagrel. Picotamide. Plafibride. Tedelparin.

Ticlopidine and Triflusal.

70) Antitussive drugs such as Alcloclamide. Amicibone.

Benproperine. Benzonatate. Bibenzonium Bromide. Bromoform.

Butamirate. Butethamate. Caramiphen Ethanedisulfonate.

Carbetapentane. Chlophedianol. Clobutinol. Cloperastine. Codeine.

5 Codeine Methyl Bromide. Codeine N-Oxide. Codeine Phosphate.

Codeine Sulfate. Cyclexanone. Dextromethorphan. Dibunate

Sodium. Dihydrocodeine. Dihydrocodeinone Enol Acetate.

Dimemorfan. Dimethoxanate. α,α -Diphenyl-2-piperidinepropanol.

Dropropizine. Drotebanol. Eprazinone. Ethyl Dibunate.

10 Ethylmorphine. Fominoben. Guaiapate. Hydrocodone. Isoaminile.

Levopropoxyphene. Morclofone. Narceine. Normethadone.

Noscapine. Oxeladin. Oxolamine. Pholcodine. Picoperine.

Pipazethate. Piperidione. Prenoxdiazine Hydrochloride.

Racemethorphan. Taziprinone Hydrochloride. Tipepidine and

15 Zipeprol.

71) Antiulcerative drugs such as Aceglutamide AluminumComplex. ϵ -Acetamidocaproic Acid Zinc Salt. Acetoxolone.

Arbaprostil. Benexate Hydrochloride. Bismuth Subcitrate Sol (Dried).

Carbenoxolone. Cetraxate. Cimetidine. Enprostil. Esaprazole.

20 Famotidine. Ftaxilide. Gefarnate. Guaiazulene. Irsogladine.

Misoprostol. Nizatidine. Omeprazole. Ornoprostil. γ -Oryzanol.

Pifarnine. Pirenzepine. Plaunotol. Ranitidine. Rioprostil. Rosaprostol.

Rotraxate. Roxatidine Acetate. Sofalcone. Spizofurone. Sucralfate.

Teprenone. Trimoprostil. Trithiozine. Troxipide and Zolimidine.

72) Antiurolithic drugs such as Acetohydroxamic Acid.

Allopurinol. Potassium Citrate and Succinimide.

73) Antivenin drugs such as Lyovac® Antivenin.

5 **74) Antiviral drugs, including:**

Purines and pyrimidinones such as Acyclovir. Cytarabine.

Dideoxyadenosine. Dideoxycytidine. Dideoxyinosine. Edoxudine.

Floxuridine. Ganciclovir. Idoxuridine. Inosine Pranobex. MADU.

Trifluridine. Vidarabine and Zidovudine; and

10 *others such as* Acetylleucine Monoethanolamine. Amantadine.

Amidinomycin. Cuminaldehyde Thiosemicarbazone. Foscarnet

Sodium. Interferon- α . Interferon- β . Interferon- γ . Kethoxal. Lysozyme.

Methisazone. Moroxydine. Podophyllotoxin. Ribavirin. Rimantadine.

Stallimycin. Statolon. Tromantadine and Xenazoic Acid.

15 **75) Anxiolytic drugs, including:**

Arylpiperazines such as Buspirone. Gepirone and Ipsapirone;

Benzodiazepine derivatives such as Alprazolam. Bromazepam.

Camazepam. Chlordiazepoxide. Clobazam. Clorazepate.

Clotiazepam. Cloxazolam. Diazepam. Ethyl Loflazepate. Etizolam.

20 Fludiazepam. Flutazolam. Flutoprazepam. Halazepam. Ketazolam.

Lorazepam. Loxapine. Medazepam. Metaclazepam. Mexazolam.

Nordazepam. Oxazepam. Oxazolam. Pinazepam. Prazepam and

Tofisopam;

Carbamates such as Cyclobarbamate. Emylcamate.

Hydroxyphenamate. Meprobamate. Phenprobamate and Tybamate;
and

others such as Alpidem. Benzoctamine. Captodiamine.

- 5 Chlormezanone. Etifoxine. Fluoresone. Glutamic Acid. Hydroxyzine.
Mecloralurea. Mephenoxalone. Oxanamide. Phenaglycodol.
Suriclone.

76) Benzodiazepine antagonists such as Flumazenil.

77) Bronchodilators, including:

- 10 *Ephedrine derivatives such as* Albuterol. Bambuterol. Bitolterol.
Carbuterol. Clenbuterol. Clorprenaline. Dioxethedrine. Ephedrine.
Epinephrine. Eprozinol. Etafedrine. Ethylnorepinephrine. Fenoterol.
Hexoprenaline. Isoetharine. Isoproterenol. Mabuterol.
Metaproterenol. N-Methylephedrine. Pirbuterol. Procaterol.
- 15 Protokylol. Reproterol. Rimiterol. Soterenol. Terbuterol and
Tulobuterol;
Quaternary ammonium compounds such as Bevonium Methyl
Sulfate. Flutropium Bromide. Ipratropium Bromide and Oxitropium
Bromide;
- 20 *Xanthine derivatives such as* Acefylline. Acefylline Piperazine.
Ambuphylline. Aminophylline. Bamifylline. Choline Theophyllinate.
Doxofylline. Dyphylline. Enprofylline. Etamiphyllin. Etofylline.
Guaithylline. Proxyphylline. Theobromine. 1-Theobromineacetic Acid

and Theophylline; and

others such as Fenspiride. Medibazine. Methoxyphenanime and Tretoquinol.

78) Calcium channel blockers, including:

5 *Arylalkylamines such as* Bepridil. Diltiazem. Fendiline. Gallopanil. Prenylamine. Terodiline and Verapamil;

Dihydropyridine derivatives such as Felodipine. Isradipine.

Nicardipine. Nifedipine. Nilvadipine. Nimodipine. Nisoldipine and Nitrendipine;

10 *Piperazine derivatives such as* Cinnarizine. Flunarizine and Lidoflazine; and

others such as Bencyclane. Etafenone and Perhexiline.

79) Calcium regulators such as Calcifediol. Calcitonin. Calcitriol.

Clodronic Acid. Dihydrotachysterol. Elcatonin. Etidronic Acid.

15 Ipriflavone. Pamidronic Acid. Parathyroid Hormone and Teriparatide Acetate.

80) Cardiotonics such as Acefylline. Acetyldigitoxins. 2-Amino-4-picoline. Amrinone. Benfurodil Hemisuccinate. Bucladesine.

Cerberoside. Camphotamide. Convallatoxin. Cymarin. Denopamine.

20 Deslanoside. Digitalin. Digitalis. Digitoxin. Digoxin. Dobutamine.

Dopamine. Dopexamine. Enoximone. Erythrophleine. Fenalcomine.

Gitalin. Gitoxin. Glycocyamine. Heptaminol. Hydrastinine. Ibopamine.

Lanatosides. Metamivam. Milrinone. Neriifolin. Oleandrin. Ouabain.

Oxyfedrine. Prenalterol. Proscillaridin. Resibufogenin. Scillaren.
Scillarenin. Strophanthin. Sulmazole. Theobromine and Xamoterol.

81) Chelating agents such as Deferoxamine. Ditiocarb Sodium.
Edetate Calcium Disodium. Edetate Disodium. Edetate Sodium.
5 Edetate Trisodium. Penicillamine. Pentetate Calcium Trisodium.
Pentetic Acid. Succimer and Trientine.

82) Cholecystokinin antagonists such as Proglumide.

83) Cholelitholytic agents such as Chenodiol. Methyl tert-Butyl
Ether. Monooctanoic and Ursodiol.

10 **84) Choleretics such as** Alibendol. Anethole Trithion. Azintamide.
Cholic Acid. Cicutoic Acid. Clanobutin. Cyclobutyrol. Cyclovalone.
Cynarin(e). Dehydrocholic Acid. Deoxycholic Acid. Dimecrotic Acid.
 α -Ethylbenzyl Alcohol. Exiprobe. Feguprol. Fencibutirol. Fenipentol.
Florantyrone. Hymecromone. Menbutone. 3-(o-Methoxyphenyl)-2-
15 phenylacrylic Acid. Metochalcone. Moquizone. Osalmid. Ox Bile
Extract. 4,4'-Oxydi-2-butanol. Piprozolin. Prozapine. 4-
Salicyloylmorpholine. Sincalide. Taurocholic Acid. Timonacic.
Tocamphyl. Trepibutone and Vanitiolide.

85) Cholinergic agents such as Aceclidine. Acetylcholine

20 Bromide. Acetylcholine Chloride. Aclatonium Napadisilate.
Benzpyrinium Bromide. Bethanechol Chloride. Carbachol.
Carpronium Chloride. Demecarium Bromide. Dexpanthenol.
Diisopropyl Paraoxon. Echothiophate Iodide. Edrophonium Chloride.

Eseridine. Furtrethonium. Isoflurophate. Methacholine Chloride.

Muscarine. Neostigmine. Oxapropanium Iodide. Physostigmine and
Pyridostigmine Bromide.

86) Cholinesterase inhibitors such as Ambenonium Chloride.

5 Distigmine Bromide and Galanthamine.

87) Cholinesterase reactivators such as Obidoxime Chloride and
Pralidoxime Chloride.

88) Central nervous system stimulants and agents such as

Amineptine. Amphetamine. Amphetaminil. Bemegride.
10 Benzphetamine. Brucine. Caffeine. Chlorphentermine. Clofenciclan.
Clortermine. Coca. Demanyl Phosphate. Dexoxadrol.
Dextroamphetamine Sulfate. Diethylpropion. N-Ethylamphetamine.
Ethamivan. Etifelmin. Etryptamine. Fencamfamine. Fenethylline.
Fenozolone. Flurothyl. Hexacyclonate Sodium. Homocamfin.
15 Mazindol. Mefexamide. Methamphetamine. Methylphenidate.
Nikethamide. Pemoline. Pentylenetetrazole. Phendimetrazine.
Phenmetrazine. Phentermine. Picrotoxin. Pipradrol. Prolintane and
Pyrovalerone.

89) Decongestants such as Amidephrine. Cafaminol.

20 Cyclopentamine. Ephedrine. Epinephrine. Fenoxazoline.
Indanazoline. Metizoline. Naphazoline. Nordefrin Hydrochloride.
Octodrine. Oxymetazoline. Phenylephrine Hydrochloride.
Phenylpropanolamine Hydrochloride. Phenylpropylmethylamine.

Propylhexedrine. Pseudoephedrine. Tetrahydrozoline. Tymazoline and Xylometazoline.

90) Dental caries prophylaxis such as Sodium Fluoride.

91) Depigmentors such as Hydroquinine. Hydroquinone and Monobenzene.

92) Diuretics, including:

Organomercurials such as Chlormerodrin. Meralluride.

Mercamphamide. Mercaptomerin Sodium. Mercumallylic Acid.

Mercumatilin Sodium. Mercurous Chloride and Mersaly;

Pteridines such as Furterene and Triamterene;

Purines such as Acefylline. 7-Morpholinomethyltheophylline.

Pamabrom. Protheobromine and Theobromine;

Steroids such as Canrenone. Oleandrin and Spironolactone;

Sulfonamide derivatives such as Acetazolamide. Ambuside.

Azosemide. Bumetanide. Butazolamide. Chloraminophenamide.

Clofenamide. Clopamide. Clorexolone. Diphenylmethane-4,4'-

disulfonamide. Disulfamide. Ethoxzolamide. Furosemide.

Indapamide. Mefruside. Methazolamide. Piretanide. Quinethazone.

Toraseamide. Tripamide and Xipamide;

Uracils such as Aminometradine and Amisometradine;

others such as Amanozine. Amiloride. Arbutin. Chlorazanol.

Ethacrynic Acid. Etazolol. Hydracarbazine. Isosorbide. Mannitol.

Metochalcone. Muzolimine. Perhexiline. Ticrynafen and Urea.

93) Dopamine receptor agonists such as Bromocriptine.

Dopexamine. Fenoldopam. Ibopamine. Lisuride. Naxagolide and Pergolide.

94) Ectoparasitocides such as Amitraz. Benzyl Benzoate.

5 Carbaryl. Crotamiton. DDT. Dixanthogen. Isobornyl Thiocynoacetate-Technical. Lime Sulfurated Solution. Lindane. Malathion. Mercuric Oleate. Mesulphen and Sulphur-Pharmaceutical.

95) Enzymes, including:

Digestive enzymes such as α -Amylase (Swine Pancreas). Lipase.

10 *Pancrelipase. Pepsin and Rennin;*

Mucolytic enzymes such as Lysozyme;

Penicillin inactivating enzymes such as Penicillinase; and

Proteolytic enzymes such as Collagenase. Chymopapain.

Chymotrypsins. Papain and Trypsin.

15 **96) Enzyme inducers (hepatic) such as** Flumecinol.

97) Estrogens, including:

Nonsteroidal estrogens such as Benzestrol. Broparoestrol.

Chlorotrianisene. Dienestrol. Diethylstilbestrol. Diethylstilbestrol

Dipropionate. Dimestrol. Fosfestrol. Hexestrol. Methallenestril and

20 *Methestrol; and*

Steroidal estrogens such as Colpormon. Conjugated Estrogenic

Hormones. Equilenin. Equilin. Estradiol. Estradiol Benzoate. Estradiol

17 β -Cypionate. Estriol. Estrone. Ethinyl Estradiol. Mestranol.

Moxestrol. Mytatrienediol. Quinestradiol and Quinestrol.

98) Gastric secretion inhibitors such as Enterogastrone and Octreotide.

99) Glucocorticoids such as 21-Acetoxypregnenolone.

- 5 Alclometasone. Algestone. Amcinonide. Beclomethasone. Betamethasone. Budesonide. Chloroprednisone. Clobetasol. Clobetasone. Clocortolone. Cloprednol. Corticosterone. Cortisone. Cortivazol. Deflazacort. Desonide. Desoximetasone. Dexamethasone. Diflorasone. Difluocortolone. Difluprednate.
- 10 Enoxolone. Fluazacort. Flucloronide. Flumethasone. Flunisolide. Fluocinolone Acetonide. Fluocinonide. Fluocortin Butyl. Fluocortolone. Fluorometholone. Fluperolone Acetate. Fluprednidene Acetate. Fluprednisolone. Flurandrenolide. Formocortal. Halcinonide. Halometasone. Halopredone Acetate. Hydrocortamate.
- 15 Hydrocortisone. Hydrocortisone Acetate. Hydrocortisone Phosphate. Hydrocortisone 21-Sodium Succinate. Hydrocortisone Tebutate. Mazipredone. Medrysone. Meprednisone. Methylprednisolone. Mometasone Furoate. Paramethasone. Prednicarbate. Prednisolone. Prednisolone 21-Diethylaminoacetate. Prednisone Sodium
- 20 Phosphate. Prednisolone Sodium Succinate. Prednisolone Sodium 21-m-Sulfobenzoate. Prednisolone 21-Stearoylglycolate. Prednisolone Tebutate. Prednisolone 21-Trimethylacetate. Prednisone. Prednival. Prednylidene. Prednylidene 21-

Diethylaminoacetate. Tixocortal. Triamcinolone. Triamcinolone Acetonide. Triamcinolone Benetonide and Triamcinolone Hexacetoneide.

100) Gonad-Stimulating principles such as Buserelin.

5 Clomiphene. Cyclofenil. Epimestrol. FSH. HCG and LH-RH.

101) Gonadotropic hormones such as LH and PMSG.

102) Growth hormone inhibitors such as Octreotide and Somatostatin.

103) Growth hormone releasing factors such as Semorelin.

10 **104) Growth stimulants such as** Somatotropin.

105) Hemolytic agents such as Phenylhydrazine and Phenylhydrazine Hydrochloride.

106) Heparin antagonists such as Hexadimethrine Bromide and Protamines.

15 **107) Hepatoprotectants such as** S-Adenosylmethionine. Betaine.

Catechin. Citolone. Malotilate. Orazamide. Phosphorylcholine.

Protoporphyrin IX. Silymarin-Group. Thiocetic Acid and Tiopronin.

108) Immunomodulators such as Amiprilose. Bucillamine.

Ditiocarb Sodium. Inosine Pranobex. Interferon- γ . Interleukin-2.

20 Lentinan. Muroctasin. Platonin. Procodazole. Tetramisole.

Thymomodulin. Thymopentin and Ubenimex.

109) Immunosuppressants such as Azathioprine. Cyclosporins and Mizoribine.

110) Ion exchange resins such as Carbacrylic Resins.

Cholestyramine Resin. Colestipol. Polidexide. Resodec and Sodium Polystyrene Sulfonate.

111) Lactation stimulating hormone such as Prolactin.

5 **112) LH-RH agonists such as** Buserelin. Goserelin. Leuprolide. Nafarelin and Triptorelin.

113) Lipotropic agents such as N-Acetylmethionine. Choline Chloride. Choline Dehydrocholate. Choline Dihydrogen Citrate. Inositol. Lecithin and Methionine.

10 **114) Lupus erythematosus suppressants such as** Bismuth Sodium Triglycollamate. Bismuth Subsalicylate. Chloroquine and Hydroxychloroquine.

115) Mineralcorticoids such as Aldosterone. Deoxycorticosterone. Deoxycorticosterone Acetate and Fludrocortisone.

15 **116) Miotic drugs such as** Carbachol. Physostigmine. Pilocarpine and Pilocarpus.

117) Monoamine oxidase inhibitors such as Deprenyl. Iproclozide. Iproniazid. Isocarboxazid. Moclobemide. Octamoxin. Pargyline.

Phenelzine. Phenoxypropazine. Pivalylbenzhydrazine. Prodiptine.

20 Toloxatone and Tranylcypromine.

118) Mucolytic agents such as Acetylcysteine. Bromhexine.

Carbocysteine. Domiodol. Letosteine. Lysozyme. Mecysteine Hydrochloride. Mesna. Sobrerol. Stepronin. Tiopronin and Tyloxapol.

119) Muscle relaxants (skeletal) such as Afloqualone. Alcuronium.

Atracurium Besylate. Baclofen. Benzocetamine. Benzoquinonium

Chloride. C-Calebassine. Carisoprodol. Chlormezanone.

Chlorphenesin Carbamate. Chlorproethazine. Chlorzoxazone.

5 Curare. Cyclobenzaprine. Dantrolene.

Decamethonium Bromide. Diazepam. Eperisone. Fazadinium

Bromide. Flumetramide. Gallamine Triethiodide. Hexacarbacholine

Bromide. Hexafluorenium Bromide. Idrocilamide. Laudexium Methyl

Sulfate. Leptodactylone. Memantine. Mephenesin. Mephenoxalone.

10 Metaxalone. Methocarbamol. Metocurine Iodide. Nimetazepam.

Orphenadrine. Pancuronium Bromide. Phenprobamate.

Phenylramidol. Pipecurium Bromide. Promoxolane. Quinine Sulfate.

Styramate. Succinylcholine Bromide. Succinylcholine Chloride.

Succinylcholine Iodine. Suxethonium Bromide. Tetrazepam.

15 Thiocolchicoside. Tizanidine. Tolperisone. Tubocurarine Chloride.

Vecuronium Bromide and Zoxazolamine.

120) Narcotic antagonists such as Amiphenazole. Cyclazocine.

Levallorphan. Nadide. Nalmefene. Nalorphine. Nalorphine

Dinicotinate. Naloxone and Naltrexone.

20 **121) Neuroprotective agents such as** Dizocilpine.**122) Nootropic agents such as** Aceglutamide. Acetylcarnitine.

Aniracetam. Bifemelane. Exifone. Fipexide. Idebenone. Indeloxazine

Hydrochloride. Nizofenone. Oxiracetam. Piracetam. Propentofylline.
Pyritinol and Tacrine.

123) Ophthalmic agents such as 15-ketoprostaglandins.

124) Ovarian hormone such as Relaxin.

5 **125) Oxytocic drugs such as** Carboprost. Cargutocin.

Deaminooxytocin. Ergonovine. Gemeprost. Methylegonovine.

Oxytocin. Pituitary (Posterior). Prostaglandin E₂. Prostaglandin F_{2α}
and Sparteine.

126) Pepsin inhibitors such as Sodium Amylosulfate.

10 **127) Peristaltic stimulants such as** Cisapride.

128) Progestogens such as Allylestrenol. Anagestone.

Chlormadinone Acetate. Delmadinone Acetate. Demegestone.

Desogestrel. Dimethisterone. Dydrogesterone. Ethisterone.

Ethinodiol. Flurogestone Acetate. Gestodene. Gestonorone

15 Caproate. Haloprogesterone. 17-Hydroxy-16-methylene-
progesterone. 17α-Hydroxyprogesterone. 17α-Hydroxyprogesterone

Caproate. Lynestrenol. Medrogestone. Medroxyprogesterone.

Megestrol Acetate. Melengestrol. Norethindrone. Norethynodrel.

Norgesterone. Norgestimate. Norgestrel. Norgestrienone.

20 Norvinisterone. Pentagestrone. Progesterone. Promegestone.

Quingestron and Trengestone.

129) Prolactin inhibitors such as Metergoline.

130) Prostaglandins and prostaglandin analogs such as

Arbaprostil. Carboprost. Enprostil. Gemeprost. Limaprost.

Misoprostol. Ornoprostil. Prostacyclin. Prostaglandin E₁.

Prostaglandin E₂. Prostaglandin F₂α. Rioprostil. Rosaprostol.

5 Sulprostone and Trimoprostil.

131) Protease inhibitors such as Aprotinin. Camostat. Gabexate and Nafamostat.

132) Respiratory stimulants such as Almitrine. Bemegride. Carbon

Dioxide. Cropropamide. Crotethamide. Dimeflin. Dimorpholamine.

10 Doxapram. Ethamivam. Fominoben. Lobeline. Mepixanox.

Metamivam. Nikethamide. Picrotoxin. Pimeclon. Pyridofylline.

Sodium Succinate and Tacrine.

133) Sclerosing agents such as Ethanolamine. Ethylamine. 2-

Hexyldecanoic Acid. Polidocanol. Quinine Bisulfate. Quinine Urea

15 Hydrochloride. Sodium Ricinoleate. Sodium Tetradecyl Sulfate and Tribenoside.

134) Sedatives and hypnotics, including:

Acyclic ureides such as Acecarbromal. Apronalide. Bomisovalum.

Capuride. Carbromal and Ectylurea;

20 *Alcohols such as* Chlorhexadol. Ethchlorvynol. Meparfynol. 4-Methyl-5-thiazoleethanol. tert-Pentyl Alcohol and 2,2,2-Trichloroethanol;

Amides such as Butoctamide. Diethylbromoacetamide. Ibrotamide. Isovaleryl Diethylamide. Niaprazine. Tricetamide. Trimetozine. Zolpidem and Zopiclone;

Barbituric acid derivatives such as Allobarbital. Amobarbital.

- 5 Aprobital. Barbital. Brallobarbital. Butabarbital Sodium. Butalbital. Butallylonal. Butethal. Carbubarb. Cyclobarbital. Cyclopentobarbital. Enallypropymal. 5-Ehtyl-5-(1-piperidyl) barbituric Acid. 5-Furfuryl-5-isopropylbarbituric Acid. Heptabarbital. Hexethal Sodium. Hexobarbital. Mephobarbital. Methitural. Narcobarbital. Nealbarbital.
- 10 Pentobarbital Sodium. Phenallymal. Phenobarbital. Phenobarbital Sodium. Phenylmethylbarbituric Acid. Probarbital. Propallylonal. Proxibarbal. Reposal. Secobarbital Sodium. Talbutal. Tetrabarbital. Vinbarbital Sodium and Vinylbital;

Benzodiazepine derivatives such as Brotizolam. Doxefazepam.

- 15 Estazolam. Flunitrazepam. Flurazepam. Haloxazolam. Loprazolam. Lormetazepam. Nitrazepam. Quazepam. Temazepam and Triazolam;

Bromides such as Ammonium Bromide. Calcium Bromide. Calcium Bromolactobionate. Lithium Bromide. Magnesium Bromide.

- 20 Potassium Bromide and Sodium Bromide;

Carbamates such as Amyl Carbamate-Tertiary. Ethinamate. Hexapropymate. Meparfynol Carbamate. Novonal and Trichlorourethan;

Chloral derivatives such as Carbocloral. Chloral Betaine. Chloral Formamide. Chloral Hydrate. Chloralantipyrine. Dichloralphenazone. Pentaerythritol Chloral and Triclofos;

Piperidinediones such as Glutethimide. Methypylon. Piperidione.

5 *Pyrithyldione. Taglutimide and Thalidomide;*

Quinazolone derivatives such as Etaqualone. Mecloqualone and Methaqualone; and

others such as Acetal. Acetophenone. Aldol. Ammonium Valerate.

Amphenidone. d-Bornyl α -Bromoisovalerate. d-Bornyl Isovalerate.

10 Bromoform. Calcium 2-Ethylbutanoate. Carfinat. α -Chloralose.

Clomethiazole. Cypripedium. Doxylamine. Etodroxizine. Etomidate.

Fenadiazole. Homofenazine. Hydrobromic Acid. Meclozamine.

Menthyl Valerate. Opium. Paraldehyde. Perlapine. Propiomazine.

Rilmazafone. Sodium Oxybate. Sulfonethylmethane and

15 Sulfonmethane.

135) Thrombolytic agents such as APSAC. Plasmin. Pro-Urokinase. Streptokinase. Tissue Plasminogen Activator and Urokinase.

136) Thyrotropic hormones such as TRH and TSH.

20 **137) Uricosurics such as** Benzbromarone. Ethebenecid. Orotic Acid. Oxycinchophen. Probenecid. Sulfipyrazone. Ticrynafen and Zoxazolamine.

138) Vasodilators (cerebral) such as Bencyclane. Cinnarizine.

Citicoline. Cyclandelate. Ciclonicate. Diisopropylamine

Dichloroacetate. Eburnamonine. Fenoxedil. Flunarizine. Ibudilast.

Ifenprodil. Nafronyl. Nicametate. Nicergoline. Nimodipine.

- 5 Papaverine. Pentifylline. Tinofedrine. Vincamine. Vinpocetine and Viquidil.

139) Vasodilators (coronary) such as Amotriphene. Bendazol.

Benfurodil Hemisuccinate. Benziodarone. Chloracizine. Chromonar.

Clobenfurol. Clonitrate. Dilazep. Dipyridamole. Droprenilamine.

- 10 Efloxate. Erythritol. Erythrityl Tetranitrate. Etafenone. Fendiline.

Floredil. Ganglefene. Hexestrol Bis(β -diethylaminoethyl ether).

Hexobendine. Itramin Tosylate. Khellin. Lidoflazine. Mannitol

Hexanitrate. Medibazine. Nicorandil. Nitroglycerin. Pentaerythritol

Tetranitrate. Pentrinitrol. Perhexiline. Pimefylline. Prenylamine.

- 15 Propatyl Nitrate. Pyridofylline. Trapidil. Tricromyl. Trimetazidine.

Trolnitrate Phosphate and Visnadine.

140) Vasodilators (peripheral) such as Aluminum Nicotinate.

Bamethan. Bencyclane. Betahistine. Bradykinin. Brovincamine.

Bufoniode. Buflomedil. Butalamine. Cetiedil. Ciclonicate. Cinepazide.

- 20 Cinnarizine. Cyclandelate. Diisopropylamine Dichloracetate.

Eledoisin. Fenoxedil. Flunarizine. Hepronicate. Ifenprodil. Inositol

Niacinate. Isoxsuprine. Kallidin. Kallikrein. Moxisylte. Nafronyl.

Nicametate. Nicergoline. Nicofuranose. Nicotiny Alcohol. Nylidrin.

Pentifylline. Pentoxifylline. Piribedil. Prostaglandin E₁. Suloctidil and Xanthinol Niacinate.

141) Vasoprotectants such as Benzarone. Bioflavonoids.

Chromocarb. Clobenoside. Diosmin. Dobesilate Calcium. Escin.

5 Folescutol. Leucocyanidin. Metescufylline. Quercetin. Rutin and Troxerutin.

142) Vitamins, vitamin sources and vitamin extracts such as

Vitamins A, B, C, D, E and K and derivatives thereof. Calciferols.

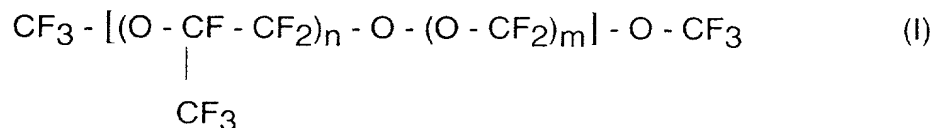
Glycyrrhiza and Mecobalamin.

10 **143) Vulnerary agents such as** Acetylcysteine. Allantoin.

Asiaticoside. Cadexomer Iodine. Chitin. Dextranomer and Oxaceprol.

9. Use according to claims 5 or 6, characterized by the fact that the transabsorption of the drugs is increased up to above 5 times their
15 normal value.

10. Compounds belonging to the Perfluoropolyester class of formula I

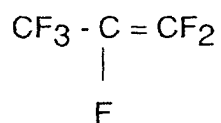


20 with n and m > 18 and < 46 and with molecular weights between ~600 and ~8000.

11. Compounds according to claim 10 with n and m > 24 and < 36 and with molecular weights between 1000 and 4000.

12. Compounds according to claim 10, obtained by polymerization of

5 hexafluoropropene



10 with UV activated oxygen.

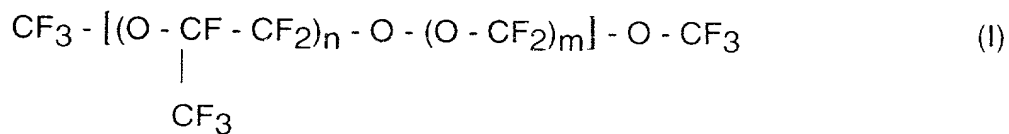
ABSTRACT

The new pharmaceutical compositions contain, apart from one or more active ingredient(s),

5

- between 0.01 and 60% w/w of the compounds of formula I

10



with n and m > 18 and < 46 and with molecular weights between ~600 and ~8000

15

for the enhancement of absorption of the active ingredient(s).

Moreover, such compositions may contain also between 0.01 and 20% w/w of Phosphatidylcholine.

Attorney's Docket No. B-3992PCT 618156-1

COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR CIP)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type: *(check one applicable item below)*

- ☒ original
☐ design
☐ supplemental

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- ☒ national stage of PCT

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION, OR CIP.

- ☐ divisional
☐ continuation
☐ continuation-in-part (CIP)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor *(if only one name is listed below)* or an original, first and joint inventor *(if plural names are listed below)* of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS WITH ACTIVITY FOR THE ENHANCEMENT OF ABSORPTION OF ACTIVE INGREDIENTS"

SPECIFICATION IDENTIFICATION

the specification of which: *(complete (a), (b) or (c))*

- (a) ☒ is attached hereto.
 (b) ☐ was filed on _____ as ☐ U.S. Serial No. 09 /
 or ☐ Express Mail No., as Serial No. not yet known, _____
 and was amended on _____ *(if applicable)*.

NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

- (c) ☒ was described and claimed in
 PCT International Application No. PCT/IB00/00167
 filed on 16 February 2000 as amended under PCT Article 19 (1)
 on ____ *(if any)*.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code Federal Regulations § 1.56.

☐ In compliance with this duty there is attached an information disclosure statement 37 CFR 1.97.

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign applications(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) ☐ no such applications have been filed.
(e) ☒ such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority check item (e), enter the details below and make the priority claim.

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION

| COUNTRY | APPLICATION NUMBER | DATE OF FILING (day, month, year) | PRIORITY CLAIMED UNDER 37 USC 119 |
|-------------|--------------------|--------------------------------------|---|
| Switzerland | 0311/99 | 18 February 1999 | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN(S)) PRIOR TO THIS U.S. APPLICATION



POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (*List name and registration number*)

Richard P. Berg, Reg. No. 28,145
Mavis S. Gallenson, Reg. No. 32,464
Kam C. Louie, Reg. No. 33,008
Ross A. Schmitt, Reg. No. 42,529

Victor Repkin, Reg. No. 45,039
John Palmer, Reg. No. 36,885
Peter D. Galloway, Reg. No. 27, 885
William R. Evans, Reg. No. 25, 858

(*check the following item, if applicable*)

[] Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO:

Richard P. Berg, Esq.
c/o LADAS & PARRY
5670 Wilshire Boulevard, Suite 2100
Los Angeles, California 90036-5679

DIRECT TELEPHONE CALLS TO:

(*Name and telephone number*)

Richard P. Berg

(323) 934-2300

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Full name of **sole or first inventor**

Norberto FESTO

Inventor's signature

Date

19th September 2000

Country of Citizenship

Switzerland

Residence Via F. Borromini 3, CH-6900 Lugano, Switzerland

Post Office Address

(*same as residence*)

Full name of **second joint inventor**, if any

Inventor's signature

Date

Country of Citizenship

Residence

Post Office Address

**CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGES(S)
WHICH FORM A PART OF THIS DECLARATION**

- ☐ Signature for third and subsequent joint inventors. *Number of pages added* ____
- ☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. *Number of pages added* _____
- ☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added* *Added pages to combined declaration and power of attorney for divisional, continuation-in-part (CIP) application.*
Number of pages added ____

* * *

- ☐ Authorization of attorney(s) to accept and follow instructions from representative.

* * *

If no further pages form a part of this Declaration then end this Declaration with this page and check the following item.

- ☒ This declaration ends with this page.